

FoliarBlend Corn Brochure

Front Cover

Healthier Soils - Stronger Plants - Higher Yields

BETTER CORN YIELDS THIS SEASON

FOLIARBLEND - CORN RESEARCH - 2013 EDITION

Interior (left)

The FoliarBlend Advantage

In order for growers to maximize yield and profit potential, they must look beyond the standard options like the newest trend in equipment, the latest seed genetics or the hottest chemical that promises to solve their problems. Even bumping conventional (N-P-K) fertilizer rates, expecting yields to jump accordingly, is simply not the answer to better profits and higher yields. To truly maximize yield and profit margin, look beyond the obvious physical and chemical fixes, and consider the critical role biological life plays in crop production. In fact, many yield problems are caused by the neglect of this essential component in crop production which, unfortunately, is all too often overlooked by most growers.

What if you could simply tank mix a product to your normal spray program that has a targeted effect on the soil and plants' biological system, one that improves soil structure, promotes healthy soil for better growing conditions, increases fertilizer efficiency, supports vibrant and robust plant growth, and boosts yields? FoliarBlend is designed to do just that and more. FoliarBlend does what chemicals, conventional fertilizer and physical tillage alone can't, and it fills a growing void that is missing in today's agriculture. Don't let the name mislead you. FoliarBlend is just as effective in the soil as it is on the plant. Smart growers looking for an edge are quickly discovering just how rewarding FoliarBlend can be, both in the field and in the bank.

The Biological Edge

All too often, the biological component of plant growth is an overlooked key to increasing yields and profits. When equally addressed along with the physical and chemical aspects of crop production, the results can be significant in terms of yield and profit growth.

The 3 soil properties: chemical, physical, biological

Interior (right)

FoliarBlend Increases Yields and Profits

Irrigation Research Foundation
FoliarBlend Corn Research

SLC-6934136-6A

Applied 16 oz / acre of FoliarBlend at 3-5 leaf stage and when plant reached 36" in height. 2012

Control Plot: 205.4 bushels / acre

FoliarBlend: 222.6 bushels / acre

17.2 bushels / acre increase using FoliarBlend on corn.

Irrigation Research Foundation

FoliarBlend Corn Research - Joint study with IgniteS2

Applied 16 oz / acre of IgniteS2 in-furrow. Applied 16 oz / acre of FoliarBlend at 3-5 leaf stage and when plant reached 36" in height. 2012

Control Plot: 195 bushels / acre

FoliarBlend: 217.7 bushels / acre

22.7 bushels / acre increase using FoliarBlend on corn.

Irrigation Research Foundation

FoliarBlend Corn Research - Joint study with IgniteS2

Applied 16 oz / acre of IgniteS2 in-furrow. Applied 32 oz / acre of FoliarBlend when plant reached 36" in height. 2012

Control Plot: 205.4 bushels / acre

FoliarBlend: 226.6 bushels / acre

21.2 bushels / acre increase using FoliarBlend on corn.

USDA & University of Missouri

Roundup Ready™ Corn Research

Replicated Research, Two Year Average. One foliar application in 2007 and two foliar applications in 2008.

Control Plot: 203.7 bushels / acre

FoliarBlend: 221.2 bushels / acre

17.5 bushels / acre increase using FoliarBlend on corn.

USDA & University of Missouri

Roundup Ready™ Corn Research

Replicated Research, 16 oz / acre of FoliarBlend applied at V4 and V8 growth stage. (i.s.d.0.05) 2008

Control Plot: 199.4 bushels / acre

FoliarBlend: 224.1 bushels / acre

24.7 bushels / acre increase using FoliarBlend on corn.

Improved Soil Conditions

FoliarBlend treated plots showed an increase in levels of Mn-reducing bacteria by an average 214% in corn.

Mn reducing bacteria transform manganese to a plant available form.

USDA & University of Missouri

Roundup Ready™ Corn Research

Replicated Research, Two Year Average (2007-2008)

Control Plot: 18 cfu / gram x 10,000

FoliarBlend: 58 cfu / gram x 10,000

214% Increase in Mn-Reducing Bacteria using FoliarBlend on corn.

FoliarBlend treated plots had increased levels of Fluorescent Pseudomonad Bacteria by an average 80% in corn.

Fluorescent Pseudomonad Bacteria are generally associated with beneficial effects of the rhizosphere bacterial community.

USDA & University of Missouri

Roundup Ready™ Corn Research

Replicated Research, Two Year Average (2007-2008)

Control Plot: 50 cfu / gram x 10,000

FoliarBlend: 90 cfu / gram x 10,000

80% Increase in F.P. Bacteria using FoliarBlend on corn.

Back Cover

Corn Usage

Environmentally safe FoliarBlend can be applied through standard ground or aerial application equipment and properly equipped irrigation systems. FoliarBlend is available in 2.5 gallon containers, 55 gallon drums, 275 gallon mini-totes or bulk tanker load quantities.

The applications listed may be applied in conjunction with corresponding conventional liquid fertilizer, herbicide, fungicide or insecticide applications.

Directions for Use: FoliarBlend may be applied by ground or air. If applied by air it is recommended to use 5–10 gallons of water per acre. If applied by ground it is recommended to use 10–20 gallons of water per acre.

Compatibility: FoliarBlend is a stable product with excellent tank mixing characteristics. It can be applied in conjunction with most herbicides, insecticides, fungicides and foliar fertilizers. A jar test is recommended prior to tank mixing. FoliarBlend is not a replacement for conventional fertilizer. Soil sample regularly and use FoliarBlend in conjunction with good fertility practices.

Rates and Usage

- Make an in-furrow application of IgniteS2 or FoliarBlend at planting of 16 oz. per acre. Or apply as a seed coating prior to planting (approximately 6-8 oz per 50 lb. bag).
- If an in-furrow or seed treatment is not possible, soil apply 16 to 32 oz. of IgniteS2 or FoliarBlend per acre with pre-plant or pre-emerge chemicals.
- Apply FoliarBlend 16 to 24 oz. per acre at the 3-5 leaf stage.
- Apply FoliarBlend 16 to 24 oz. per acre anytime from V10 to R1 growth stage.

www.foliarblend.agrigro.com

For more information on Foliar Blend, visit www.foliarblend.agrigro.com

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FoliarBlend Corn Brochure

Front Cover

Healthier Soils ~~- -~~ Stronger Plants ~~- -~~ Higher Yields

~~Better Corn Yields This Season~~

BETTER CORN YIELDS THIS SEASON

~~FoliarBlend: Corn Research - 2013 edition~~ FOLIARBLEND - CORN RESEARCH - 2013 EDITION

Interior (left)

The FoliarBlend Advantage

In order for growers to maximize yield and profit potential, they must look beyond the standard options like the newest trend in equipment, the latest seed genetics or the hottest chemical that promises to solve their problems. Even bumping conventional (N-P-K) fertilizer ~~(N-P-K)~~ rates, expecting yields to jump accordingly, is simply not the answer to better profits and higher yields. To truly maximize yield and profit margin, look beyond the obvious physical and chemical fixes, and consider the critical role biological life plays in crop production. In fact, many yield ~~and disease~~ problems are caused by the neglect of this essential component in crop production which, unfortunately, is all too often overlooked by most growers.

What if you could simply tank mix a product to your normal spray program that has a targeted effect on the soil and plants' biological system, one that improves soil structure, promotes healthy soil for better growing conditions, increases fertilizer efficiency, ~~improves~~ supports vibrant and robust plant growth, and boosts yields ~~and lowers disease pressure~~? FoliarBlend is designed to do just that and more. FoliarBlend does what chemicals, conventional fertilizer and physical tillage alone can't, and it fills a growing void that is missing in today's agriculture. Don't let the name mislead you. FoliarBlend is just as effective in the soil as it is on the plant. Smart growers looking for an edge are quickly discovering just how rewarding FoliarBlend can be, both in the field and in the bank.

The Biological Edge

All too often, the biological component of plant growth is an overlooked key to increasing yields and profits. When equally addressed along with the physical and chemical aspects of crop production, the results can be significant in terms of yield and profit growth.

The ~~Three Soil Properties: Chemical~~ 3 soil properties: chemical, physical, biological.

Interior (right)

FoliarBlend Increases Yields and Profits

Irrigation Research Foundation

FoliarBlend Corn Research

Applied 16 oz / acre of FoliarBlend at 3-5 leaf stage and when plant reached 36" in height. 2012

Control Plot: 205.4 bushels / acre

FoliarBlend: 222.6 bushels / acre

17.2 bushels / acre increase using FoliarBlend on corn.

Irrigation Research Foundation

FoliarBlend Corn Research - Joint study with IgniteS2

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Control Plot: 195 bushels / acre

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USDA & University of Missouri

Roundup Ready™ Corn Research

Replicated Research, Two Year Average. One foliar application in 2007 and two foliar applications in 2008.

Control Plot: 203.7 bushels / acre

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17.5 bushels / acre increase using FoliarBlend on corn.

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Replicated Research, 16 oz / acre of FoliarBlend applied at V4 and V8 growth stage. (i.s.d.0.05) 2008

Control Plot: 199.4 bushels / acre

FoliarBlend: 224.1 bushels / acre

24.7 bushels / acre increase using FoliarBlend on corn.

Improved ~~Plant Health, Less Disease~~ Soil Conditions

~~FoliarBlend treated plots had lower levels of Fusarium colonization by an average 48% in corn.~~

~~Fusarium colonization is an indicator of the potential fungal infection of roots, which can lead to disease.~~

~~USDA & University of Missouri~~

Roundup Ready™ Corn Research

Replicated Research, Two Year Average (2007-2008)

Control Plot: 81 fungal colonies / 100cm of root

FoliarBlend: 46 fungal colonies / 100 cm of root

48% Reduction in Fungal Colonies using FoliarBlend on corn.

FoliarBlend treated plots showed an ~~increased~~[increase in](#) levels of Mn-reducing bacteria by an average 214% in corn.

Mn reducing bacteria transform manganese to a plant available form.

USDA & University of Missouri

Roundup Ready™ Corn Research

Replicated Research, Two Year Average (2007-2008)

Control Plot: 18 cfu / gram x 10,000

FoliarBlend: 58 cfu / gram x 10,000

214% Increase in Mn-Reducing Bacteria using FoliarBlend on corn.

FoliarBlend treated plots had increased levels of Fluorescent Pseudomonad Bacteria by an average 80% in corn.

Fluorescent Pseudomonad Bacteria are generally associated with beneficial effects of the rhizosphere bacterial community, ~~including aiding in the suppression of fungal pathogens in the rhizosphere.~~

USDA & University of Missouri

Roundup Ready™ Corn Research

Replicated Research, Two Year Average (2007-2008)

Control Plot: 50 cfu / gram x 10,000

FoliarBlend: 90 cfu / gram x 10,000

80% Increase in F.P. Bacteria using FoliarBlend on corn.

Back Cover

Corn Usage

Environmentally safe FoliarBlend can be applied through standard ground or aerial application equipment and properly equipped irrigation systems. FoliarBlend is available in 2.5 gallon containers, 55 gallon drums, 275 gallon mini-totes or bulk tanker load quantities.

The applications listed may be applied in conjunction with corresponding [conventional](#) liquid fertilizer, herbicide, fungicide or insecticide applications.

Directions for Use: FoliarBlend may be applied by ground or air. If applied by air it is recommended to use 5–10 gallons of water per acre. If applied by ground it is recommended to use 10–20 gallons of water per acre.

Compatibility: FoliarBlend is a stable product with excellent tank mixing characteristics. It can be applied in conjunction with most herbicides, insecticides, fungicides and foliar fertilizers. A jar test is recommended prior to tank mixing. FoliarBlend is not a replacement for conventional fertilizer. Soil sample regularly and use FoliarBlend in conjunction with good fertility practices.

Rates and Usage:

- Make an in-furrow application of IgniteS2 or FoliarBlend at planting of 16 oz. per acre. Or apply as a seed coating prior to planting (approximately 6-8 oz per 50 lb. bag).
- If an in-furrow or seed treatment is not possible, soil apply 16 to 32 oz. of IgniteS2 or FoliarBlend per acre with pre-plant or pre-emerge chemicals.
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- Apply FoliarBlend 16 to 24 oz. per acre anytime from V10 to R1 growth stage.

www.foliarblend.agrigro.com

For more information on Foliar Blend, visit www.foliarblend.agrigro.com

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FoliarBlend Soybean Brochure

Front Cover

Healthier Soils - Stronger Plants - Higher Yields

BIG BENEFITS FOR WHEAT

Interior (left)

THE FOLIARBLEND ADVANTAGE

Extreme temperatures, adverse weather conditions, disease, insect pressure, inadequate and imbalanced plant nutrition—all of these conditions can rob your crops of the yield and profits you deserve. When applied as part of a good management program, FoliarBlend works to keep your plants and the immediate soil environment “spiked up” with the nutritional supplements required to maximize yield and support plant health.

FoliarBlend simply helps a plant to reach its genetic yield potential by boosting plant growth, increasing nutrient uptake, supporting plant health and quality, and building a healthy growing environment. Research has proven that crops treated with FoliarBlend are healthier, have improved nutrient uptake and availability, plant growth and higher yields.

Healthier Soils

- Triggers an explosion of beneficial soil bacteria speeding up the breakdown of crop residue, builds humus and improves soil structure, drainage and tilth.
- Increases healthy indigenous microbial activity in soil by 3400% (within three days of application!)
- Supports overall plant growth and development.
- Improves nutrient release and solubility by up to 60% compared to non-treated soils by speeding up the breakdown and improving available nutrients. Depending on soil test levels, growers may be able to reduce P & K inputs up to 50%.
- Lowers sodium levels in the soil.

Interior (right)

Stronger Plants

- Supports plant health, minimizing the effects of weather related stress.
- Offers a source of essential micronutrients, proteins, enzymes, amino acids and complex carbohydrates not available in ordinary N-P-K fertilizers.

-

Easy to Use

- Can be easily applied in conjunction with other liquid applications, pesticides, herbicides, fungicides and conventional fertilizers through ground, air or fertigation systems.
- When stored properly, has shelf life of four years without losing effectiveness.

HIGHER YIELDS SPEAK FOR THEMSELVES!

[chart 1 info]

From one spring foliar application in wheat: 18 bushels/acre increase over control and increase test weight.

Research

Irrigation Research Foundation: Yuma, Colorado

2009 Research, 32 ozs. of FoliarBlend applied in 1 foliar application.

- **Control Plot:** 57.5 bushels/acre
- **FoliarBlend:** 75.71 bushels/acre
- **Results Using FoliarBlend On Wheat:** 18 Bushels Per Acre Increase!

[chart 2 info]

Split applications result in larger yields and higher profit: 10 and 21 bushels/acre increases in replicated studies.

Irrigation Research Foundation: Yuma, Colorado

2010 Research, 32 ozs. of FoliarBlend soil applied at planting.

- **Control Plot:** 83.3 bushels/acre
- **FoliarBlend:** 93.61 bushels/acre
- **Results Using FoliarBlend On Wheat:** 10.3 Bushels Per Acre Increase!

[chart 3 info]

Irrigation Research Foundation: Yuma, Colorado

2010 Research, Two 16 oz. foliar applications.

(One applied prior to jointing and one at flag leaf stage.)

- **Control Plot:** 83.3 bushels/acre
- **FoliarBlend:** 104.72 bushels/acre
- **Results Using FoliarBlend On Wheat:** 21.4 Bushels Per Acre Increase!

[chart 4 info]

41.2 bushels/acre increase over control resulting in a 45% yield increase and more profit.

Research

Landbo Centrum (Agricultural Society Extension and Trial Service)

Vestsjaelland County, Sjaelland, Denmark

1-32 oz. application/acre (2.5 liter/hectare). Growers standard fertilizer and crop protection program.

- **Control Plot:** 91 bushels/acre
- **FoliarBlend:** 132.2 bushels/acre
- **Results Using FoliarBlend On Wheat:** 41.2 Bushels Per Acre Increase!

Back Cover

Wheat Usage

Environmentally safe FoliarBlend can be applied through standard ground or aerial application equipment and properly equipped irrigation systems. It is available in 2.5 gallon containers, 55 gallon drums, 275 gallon mini-totes or bulk tanker load quantities.

The applications listed may be applied in conjunction with corresponding conventional liquid fertilizer, herbicide, fungicide or insecticide applications.

Directions for Use: FoliarBlend may be applied by ground or air. If applied by air it is recommended to use a minimum of 5–10 gallons of water per acre. If applied by ground it is recommended to use 10–20 gallons of water per acre.

Compatibility: FoliarBlend is a stable product with excellent tank mixing characteristics. It can be applied in conjunction with most herbicides, insecticides, fungicides and foliar fertilizers. A jar test is recommended prior to tank mixing. Test results have shown that FoliarBlend can stimulate higher yields through increased nutrient uptake. It is not a replacement for conventional fertilizer. Soil sample regularly and use FoliarBlend in conjunction with good fertility practices.

Rates and Usage

- Apply as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 4 to 6 ounces per bushel, then let dry. Or make an in furrow application of 16 ounces per acre at planting.
- If an in furrow application is not possible, soil apply 16 – 32 ounces per acre with preplant or preemergence chemicals.
- Foliar apply 16–24 ozs. per acre prior to jointing.
- Foliar apply 16–24 ozs. per acre at the flag leaf stage. If first foliar application is missed, apply 32 ozs. per acre at the flag leaf stage.

For additional information on products by Agri-Gro Marketing, Inc. visit www.agrigro.com

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FoliarBlend Soybean Brochure

Front Cover ~~Text~~

Healthier Soils ~~+~~ Stronger Plants ~~+~~ Higher Yields

Big Benefits for Wheat

FoliarBlend by Agri-Gro

Page 2 Text

The FoliarBlend Advantage

BIG BENEFITS FOR WHEAT

Interior (left)

THE FOLIARBLEND ADVANTAGE

Extreme temperatures, adverse weather conditions, disease, insect pressure, inadequate and imbalanced plant nutrition—all of these conditions can rob your crops of the yield and profits you deserve. When applied as part of a good management program, FoliarBlend works to keep your plants and the immediate soil environment “spiked up” with the ~~nutrition and growth~~ nutritional supplements required to maximize yield and ~~minimize~~ support plant ~~stress~~ health.

FoliarBlend simply helps a plant to reach its genetic yield potential by boosting plant growth, increasing nutrient uptake, ~~strengthening the plants' natural defense system~~ supporting plant health and quality, and building a healthy, ~~disease suppressive~~ growing environment. Research has proven that crops treated with FoliarBlend are healthier ~~and experience less disease pressure~~, have improved nutrient uptake and availability, ~~establish larger root systems with stronger stalks~~ plant growth and higher yields.

Healthier Soils

- Triggers an explosion of beneficial soil bacteria speeding up the breakdown of crop residue, builds humus and improves soil structure, drainage and tilth.
- Increases healthy indigenous microbial activity in soil by 3400% (within three days of application!)
- ~~Improves germination,~~ Supports overall plant ~~emergence and promotes vigorous root growth up to 50% and development.~~
- Improves nutrient release and solubility by up to 60% compared to non-treated soils by speeding up the breakdown and improving available nutrients. Depending on soil test levels, growers may be able to reduce P & K inputs up to 50%.
- Lowers sodium levels in the soil ~~and has shown to reduce nematode counts.~~

Interior (right)

Stronger Plants

- Supports plant health, minimizing the effects of weather related stress.
- Offers a source of essential micronutrients, proteins, enzymes, amino acids and complex carbohydrates not available in ordinary N-P-K fertilizers.

Easy to Use

- Can be easily applied in conjunction with other liquid applications, pesticides, herbicides, fungicides and conventional fertilizers through ground, air or fertigation systems.
- When stored properly, has shelf life of four years without losing effectiveness.

Page 3 Text

HIGHER YIELDS SPEAK FOR THEMSELVES!

[chart 1 info]

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- Control Plot: 91 bushels/acre
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- Results Using FoliarBlend On Wheat: 41.2 Bushels Per Acre Increase!

Stronger Plants

- ◆ ~~Elevates plants' natural defense mechanisms, improving plant health, minimizing disease, insect pressure and weather related stress. Many growers with disease pressure report a reduction in fungicide use by 50% or more.~~
- ◆ ~~Offers a source of essential micronutrients, proteins, enzymes, amino acids and complex carbohydrates not available in ordinary fertilizers.~~
- ◆ ~~Improves germination and plant emergence; promotes vigorous root growth.~~

Easy To Use

- ◆ ~~Can be easily applied in conjunction with other liquid applications, pesticides, herbicides, fungicides and fertilizers through ground, air or fertigation systems.~~
- ◆ ~~When stored properly, has shelf life of four years without losing effectiveness.~~

Back Cover ~~Text~~

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Compatibility: FoliarBlend is a stable product with excellent tank mixing characteristics. It can be applied in conjunction with most herbicides, insecticides, fungicides and foliar fertilizers. A jar test is recommended prior to tank mixing. Test results have shown that FoliarBlend can stimulate higher yields through increased nutrient uptake, **larger root mass, earlier fruiting and increased fruit retention**. It is not a replacement for conventional fertilizer. Soil sample regularly and use FoliarBlend in conjunction with good fertility practices.

Rates and Usage

- Apply as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 4 to 6 ounces per bushel, then let dry. Or make an in furrow application of 16 ounces per acre at planting.
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www.foliarblend.com

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FoliarBlend Cotton Brochure

Front Cover

Healthier Soils - Stronger Plants - Higher Yields

FOLIARBLEND - COTTON RESEARCH - 2013 EDITION

Interior (left)

Extreme temperatures, adverse weather conditions, disease, insect pressure, inadequate and imbalanced plant nutrition — these are just a few of the conditions that can rob your cotton crop of the yield and profits you deserve. When applied as part of a good management program, FoliarBlend works to keep your plants and the immediate soil environment, “spiked up” with the nutritional supplements required to maximize yield and support plant health.

FoliarBlend simply helps your crop reach its genetic yield potential by boosting plant growth, increasing nutrient uptake, supporting plant health and quality, and building a healthy growing environment. Research has proven that crops treated with FoliarBlend are healthier, have improved nutrient uptake and availability, plant growth and higher yields.

FoliarBlend Benefits

- Supplies essential plant nutrition supporting robust plant growth, increased yields, and improved quality.
- Triggers an explosion of beneficial soil bacteria speeding up the breakdown of crop residue, builds humus and improves soil structure, drainage and tilth.
- Increases healthy indigenous microbial activity in soil by 3400% (within three days of application!)
- Improves nutrient release and solubility by up to 60% compared to non-treated soils. Depending on soil test levels, many growers are able to reduce P & K inputs up to 50%.

Easy To Use

- FoliarBlend can be applied in conjunction with other liquid applications, pesticides, herbicides, fungicides, and conventional fertilizers through ground, air or fertigation systems.
- When stored properly, FoliarBlend has a shelf life of four years without losing effectiveness.

Interior (right)

Higher Yields Speak for Themselves

University of California - Davis. Bill Weir, Ph.D.
Three 16 oz / acre applications of FoliarBlend made.
Average of four replications. 2012
Control Plot: 1,886.5 Lbs / acre
FoliarBlend: 2,164.75 Lbs / acre
278 Lbs / acre increase in lint using FoliarBlend on cotton.

University of California - Davis. Bill Weir, Ph.D.
16 oz / acre of Foliarblend applied at 3 to 5 leaf stage.
Average of five replications. 2011
Control Plot: 2,020 Lbs / acre
FoliarBlend: 2,186 Lbs / acre
166 Lbs / acre increase in lint using FoliarBlend on cotton.

University of Tennessee Extension
Additionally, this test produced 213 lbs. / acre increase in seed cotton. Six plot average. 2008
Control Plot: 1,000 Lbs / acre
FoliarBlend: 1,090 Lbs / acre
90 Lbs / acre increase in lint using FoliarBlend on cotton.

University of Missouri
One in-furrow application, two foliar applications.
Average of four replications.
Control Plot: 1,086 Lbs / acre
FoliarBlend: 1,205 Lbs / acre
119 Lbs / acre increase in lint using FoliarBlend on cotton.

University of California - Davis. Bill Weir, Ph.D.
16 oz / acre of Foliarblend added at side dress. Average of five replications. 2011
Control Plot: 2,020 Lbs / acre
FoliarBlend: 2,158 Lbs / acre
138 Lbs / acre increase in lint using FoliarBlend on cotton.

University of California - Davis. Bill Weir, Ph.D.
16 oz / acre of Foliarblend applied at pinhead square stage. Average of five replications. 2011
Control Plot: 2,020 Lbs / acre
FoliarBlend: 2,116 Lbs / acre
96 Lbs / acre increase in lint using FoliarBlend on cotton.

Shoffner Research Farm, Newport, AR
One in-furrow application, three foliar applications.

Additionally, this test produced 267 lbs. / acre increase in seed cotton. Average of four replications.
2007

Control Plot: 997 Lbs / acre

FoliarBlend: 1,117 Lbs / acre

120 Lbs / acre increase in lint using FoliarBlend on cotton.

University of Missouri

Joint Study. Three 16 oz / acre applications of FoliarBlend and one 3 gallon/acre application of Agri-Cal.

Control Plot: 1,086 Lbs / acre

FoliarBlend: 1,261 Lbs / acre

175 Lbs / acre increase in lint using FoliarBlend on cotton.

Back Cover

Cotton Usage

Environmentally safe FoliarBlend can be applied through standard ground or aerial application equipment and properly equipped irrigation systems. It is available in 2.5 gallon containers, 55 gallon drums, 275 gallon mini-totes or bulk tanker load quantities.

The applications listed may be applied in conjunction with corresponding conventional liquid fertilizer, herbicide, fungicide or insecticide applications.

Directions for Use: FoliarBlend may be applied by ground or air. If applied by air it is recommended to use a minimum of 5–10 gallons of water per acre. If applied by ground it is recommended to use 10–20 gallons of water per acre.

Compatibility: FoliarBlend is a stable product with excellent tank mixing characteristics. It can be applied in conjunction with most herbicides, insecticides, fungicides and foliar fertilizers. A jar test is recommended prior to tank mixing. Test results have shown that FoliarBlend can stimulate higher yields through increased nutrient uptake. It is not a replacement for conventional fertilizer. Soil sample regularly and use FoliarBlend in conjunction with good fertility practices.

Rates and Usage:

- Make an in furrow application of IgniteS2 or FoliarBlend at planting of 16 oz per acre. If an in furrow treatment is not possible, soil apply 16–32 oz per acre with preplant or preemerge chemicals.
- Apply 16 oz per acre of FoliarBlend at the 3–7 leaf stage.
- Apply 16 oz per acre of FoliarBlend at the pinhead square stage.
- Apply 16 oz per acre FoliarBlend at early bloom.

www.foliarblend.agrigro.com

For more information on Foliar Blend, visit www.foliarblend.agrigro.com

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FoliarBlend Cotton Brochure

Front Cover

Healthier Soils ~~—~~ Stronger Plants ~~—~~ Higher Yields

Bigger Cotton Yields, Better Profits

FoliarBlend: Cotton Research — 2013 edition FOLIARBLEND - COTTON RESEARCH - 2013 EDITION

Interior (left)

The FoliarBlend Advantage

Extreme temperatures, adverse weather conditions, disease, insect pressure, inadequate and imbalanced plant nutrition — these are just a few of the conditions that can rob your cotton crop of the yield and profits you deserve. When applied as part of a good management program, FoliarBlend works to keep your ~~soil and cotton crop healthy, productive and growing strong with the nutrition and growth stimulants needed~~ plants and the immediate soil environment, “spiked up” with the nutritional supplements required to maximize yield and ~~minimize~~ support plant ~~stress~~ health.

FoliarBlend simply helps your ~~cotton crop~~ reach its genetic yield potential by boosting plant growth, increasing nutrient uptake, ~~strengthening the plants’ natural defense system~~ supporting plant health and quality, and building a healthy, ~~disease suppressive~~ growing environment ~~where plants can thrive~~. Research has proven that crops treated with FoliarBlend ~~consistently produce~~ are healthier, have improved nutrient uptake and availability, plant growth and higher yields ~~and deliver more profit to the grower. If you’re ready to put more money in your pocket, then you’re ready for FoliarBlend.~~

FoliarBlend Benefits

- ~~Strengthens plants and improves natural resistance to disease, pests and stress, reducing the need for chemical pesticides and fungicides.~~ Supplies essential plant nutrition supporting robust plant growth, increased yields, and improved quality.
- Triggers an explosion of beneficial soil bacteria speeding up the breakdown of crop residue, builds humus and improves soil structure, drainage and tilth.
- Increases healthy indigenous microbial activity in soil by 3400% (within three days of application!)
- Improves nutrient release and solubility by up to 60% compared to non-treated soils. Depending on soil test levels, many growers are able to reduce P & K inputs up to 50%.

Easy To Use

- FoliarBlend can be applied in conjunction with other liquid applications, pesticides, herbicides, fungicides, and conventional fertilizers through ground, air or fertigation systems.
- When stored properly, FoliarBlend has a shelf life of four years without losing effectiveness.

Interior (right)

Higher Yields Speak for Themselves

University of California - Davis. Bill Weir, Ph.D.
 Three 16 oz / acre applications of FoliarBlend made.
 Average of four replications. 2012
 Control Plot: 1,886.5 Lbs / acre
 FoliarBlend: 2,164.75 Lbs / acre
 278 Lbs / acre increase in lint using FoliarBlend on cotton.

University of California - Davis. Bill Weir, Ph.D.
 16 oz / acre of Foliarblend applied at 3 to 5 leaf stage.
 Average of five replications. 2011
 Control Plot: 2,020 Lbs / acre
 FoliarBlend: 2,186 Lbs / acre
 166 Lbs / acre increase in lint using FoliarBlend on cotton.

University of Tennessee Extension
 Additionally, this test produced 213 lbs. / acre increase in seed cotton. Six plot average. 2008
 Control Plot: 1,000 Lbs / acre
 FoliarBlend: 1,090 Lbs / acre
 90 Lbs / acre increase in lint using FoliarBlend on cotton.

University of Missouri
 One in-furrow application, two foliar applications.
 Average of four replications.
 Control Plot: 1,086 Lbs / acre
 FoliarBlend: 1,205 Lbs / acre
 119 Lbs / acre increase in lint using FoliarBlend on cotton.

University of California - Davis. Bill Weir, Ph.D.
 16 oz / acre of Foliarblend added at side dress. Average of five replications. 2011
 Control Plot: 2,020 Lbs / acre
 FoliarBlend: 2,158 Lbs / acre
 138 Lbs / acre increase in lint using FoliarBlend on cotton.

University of California - Davis. Bill Weir, Ph.D.

16 oz / acre of FoliarBlend applied at pinhead square stage. Average of five replications. 2011

Control Plot: 2,020 Lbs / acre

FoliarBlend: 2,116 Lbs / acre

96 Lbs / acre increase in lint using FoliarBlend on cotton.

Shoffner Research Farm, Newport, AR

One in-furrow application, three foliar applications.

Additionally, this test produced 267 lbs. / acre increase in seed cotton. Average of four replications.

2007

Control Plot: 997 Lbs / acre

FoliarBlend: 1,117 Lbs / acre

120 Lbs / acre increase in lint using FoliarBlend on cotton.

University of Missouri

Joint Study. Three 16 oz / acre applications of FoliarBlend and one 3 gallon/acre application of Agri-Cal.

Control Plot: 1,086 Lbs / acre

FoliarBlend: 1,261 Lbs / acre

175 Lbs / acre increase in lint using FoliarBlend on cotton.

Back Cover

Cotton Usage

Environmentally safe FoliarBlend can be applied through standard ground or aerial application equipment and properly equipped irrigation systems. It is available in 2.5 gallon containers, 55 gallon drums, 275 gallon mini-totes or bulk tanker load quantities.

The applications listed may be applied in conjunction with corresponding conventional liquid fertilizer, herbicide, fungicide or insecticide applications.

Directions for Use: FoliarBlend may be applied by ground or air. If applied by air it is recommended to use a minimum of 5–10 gallons of water per acre. If applied by ground it is recommended to use 10–20 gallons of water per acre.

Compatibility: FoliarBlend is a stable product with excellent tank mixing characteristics. It can be applied in conjunction with most herbicides, insecticides, fungicides and foliar fertilizers. A jar test is recommended prior to tank mixing. Test results have shown that FoliarBlend can stimulate higher yields through increased nutrient uptake, ~~larger root mass, earlier fruiting and increased fruit retention~~. It is not a replacement for conventional fertilizer. Soil sample regularly and use FoliarBlend in conjunction with good fertility practices.

Rates and Usage:

- Make an in furrow application of IgniteS2 or FoliarBlend at planting of 16 oz per acre. If an in furrow treatment is not possible, soil apply 16–32 oz per acre with preplant or preemerge chemicals.
- Apply 16 oz per acre of FoliarBlend at the 3–7 leaf stage.
- Apply 16 oz per acre of FoliarBlend at the pinhead square stage.
- Apply 16 oz per acre FoliarBlend at early bloom.

www.foliarblend.agrigro.com

For more information on Foliar Blend, visit www.foliarblend.agrigro.com

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FoliarBlend Rice Brochure

Front Cover

Healthier Soils - Stronger Plants - Higher Yields

BIGGER YIELDS, BETTER MILLING

To maximize yield and profit potential, look beyond the standard physical and chemical options and consider the critical role the soil and plant's bio-logical system fills in rice production. Overlooking this essential component in crop production contributes to yield loss and will cost you money if neglected.

FoliarBlend has a targeted effect on both the soil and plants' biological system and works to support vibrant and robust plant growth and improve fertilizer efficiency while boosting yields and improving milling quality. FoliarBlend simply does what chemicals, conventional fertilizer and physical tillage alone can't and fills a growing void that is missing in today's rice production. Don't overlook the obvious. Ensure your crops success with FoliarBlend!

FoliarBlend Rice Research

Results show 13 bushel / acre increase in replicated studies.

Control: 170 bushels / acre

FoliarBlend: 183 bushels / acre

13 bushel / acre increase using FoliarBlend on rice.

- Increases rough rice yield.
- Increases whole kernel milled rice yield.
- Increases total kernel milled rice yield.
- Returned \$7 profit for every \$1 spent in replicated study.

University Replicated Research performed in Arkansas. 2010

FoliarBlend Rice Research

- 33% increase in yields.
- 37% increase in dry biomass.

The College of Technical Engineering and Agriculture
Cuu long Delta Rice Research Institute - Vietnam

Back Cover

Rice Usage

Environmentally-safe FoliarBlend can be applied through standard ground or aerial application equipment and properly equipped irrigation systems. It is available in 2.5 gallon containers, 55 gallon drums, 275 gallon mini-totes or bulk tanker load quantities.

The applications listed may be applied in conjunction with corresponding conventional liquid fertilizer, herbicide, fungicide or insecticide applications.

Directions for Use: FoliarBlend may be applied by ground or air. If applied by air it is recommended to use 5-10 gallons of water per acre. If applied by ground it is recommended to use 10-20 gallons of water per acre.

Compatibility: FoliarBlend is a stable product with excellent tank mixing characteristics. It can be applied in conjunction with most herbicides, insecticides, fungicides and foliar fertilizers. A jar test is recommended prior to tank mixing. FoliarBlend is not a replacement for conventional fertilizer. Soil sample regularly and use FoliarBlend in conjunction with good fertility practices.

Rates and Usage

- Apply as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 6-8 ounces per bushel, or make an in-furrow application at planting of 16 ounces per acre. If an in-furrow or seed treatment is not possible, soil apply 16-32 ounces per acre with preplant or preemergence chemicals.
- Apply 16-32 ounces per acre when the rice seedling has 3 fully emerged leaves, but before the seedling has completed development of 7 leaves or 3 tillers.
- To boost yields, apply at the rate of 16-32 ounces per acre immediately after internode elongation or joint movement has begun up to the flag leaf stage of development.

For additional information on products by Agri-Gro Marketing, Inc. visit www.agrigro.com

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FoliarBlend Rice Brochure

Front Cover-Text

Healthier Soils ~~+~~ Stronger Plants ~~+~~ Higher Yields

~~Bigger Yields, Better Milling~~

~~FoliarBlend~~ by Agri-Gro

BIGGER YIELDS, BETTER MILLING

To maximize yield and profit potential, look beyond the standard physical and chemical options and consider the critical role the soil and plant's bio-logical system fills in rice production. Overlooking this essential component in crop production contributes to yield loss and ~~added disease pressure and~~ will cost you money if neglected.

~~Foliar Blend~~ FoliarBlend has a targeted effect on both the soil and plants' biological system and works to support vibrant and robust plant growth and improve ~~plant development and~~ fertilizer efficiency while boosting yields and improving ~~plant health and~~ milling quality. ~~Foliar Blend~~ FoliarBlend simply does what chemicals, conventional fertilizer and physical tillage alone can't and fills a growing void that is missing in today's rice production. Don't overlook the obvious. Ensure your crops success with ~~Foliar Blend~~ FoliarBlend!

FoliarBlend Rice Research

Results show 13 bushel / acre increase in replicated studies.

~~Control Plot:~~ 170 bushels / acre

FoliarBlend: 183 bushels / acre

~~Results Using FoliarBlend On Rice: 13 Bushels Per Acre Increase!~~

~~University Replicated Research performed in Arkansas. 2010.~~

Benefits

13 bushel / acre increase using FoliarBlend on rice.

- Increases rough rice yield.
- Increases whole kernel milled rice yield.
- Increases total kernel milled rice yield.
- Returned \$7 profit for every \$1 spent in replicated study.

University Replicated Research performed in Arkansas. 2010

FoliarBlend Rice Research

- 33% increase in yields.
~~— 52% increase in the number of panicles.~~
- 37% increase in dry biomass.
~~— 25% increase in dry root biomass.~~

The College of Technical Engineering and Agriculture
Cuu long Delta Rice Research Institute - Vietnam

Back ~~Text~~ [Cover](#)

Rice Usage

Environmentally-safe FoliarBlend can be applied through standard ground or aerial application equipment and properly equipped irrigation systems. It is available in 2.5 gallon containers, 55 gallon drums, 275 gallon mini-totes or bulk tanker load quantities.

The applications listed may be applied in conjunction with corresponding [conventional](#) liquid fertilizer, herbicide, fungicide or insecticide applications.

Directions for Use: FoliarBlend may be applied by ground or air. If applied by air it is recommended to use 5-10 gallons of water per acre. If applied by ground it is recommended to use 10-20 gallons of water per acre.

Compatibility: FoliarBlend is a stable product with excellent tank mixing characteristics. It can be applied in conjunction with most herbicides, insecticides, fungicides and foliar fertilizers. A jar test is recommended prior to tank mixing. FoliarBlend is not a replacement for [conventional](#) fertilizer. Soil sample regularly and use FoliarBlend in conjunction with good fertility practices.

Rates and Usage

- Apply as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 6-8 ounces per bushel, or make an in-furrow application at planting of 16 ounces per acre. If an in-furrow or seed treatment is not possible, soil apply 16-32 ounces per acre with ~~pre-plant~~[preplant](#) or ~~pre-emerge~~[preemerge](#) chemicals.
- Apply 16-32 ounces per acre when the rice seedling has 3 fully emerged leaves, but before the seedling has completed development of 7 leaves or 3 tillers.
- To boost yields ~~and minimize disease pressure~~, apply at the rate of 16-32 ounces per acre immediately after internode elongation or joint movement has begun up to the flag leaf stage of development.

www.foliarblend.com

For additional information on products by ~~Agri-Gro Marketing, Inc. visit www.agrigro.com~~ Agri-Gro Marketing, Inc. [visit \[www.agrigro.com\]\(http://www.agrigro.com\)](http://www.agrigro.com)

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FoliarBlend Page Text

Content

PRODUCT INFORMATION

FoliarBlend® Nutritional Supplement

Extreme temperatures, adverse weather conditions, disease, insect pressure, plus inadequate and imbalanced plant nutrition... All of these conditions can rob your crops of the yield and profits you deserve!

When applied as part of a good management program, FoliarBlend® works to keep your plants and the immediate soil environment "spiked up" with the nutritional supplements required to maximize yield and support plant health.

FoliarBlend® simply helps a plant to reach its genetic yield potential by boosting plant growth, increasing nutrient uptake, supporting plant health and quality, and building a healthy growing environment. Research has proven that crops treated with FoliarBlend® are healthier, have improved nutrient uptake and availability, plant growth and higher yields.

FoliarBlend® represents a new generation of technology containing complex carbohydrates, essential plant macro and micronutrients, a proprietary blend of beneficial enzymes, amino acids and a host of nutritional supplements not found in ordinary N-P-K fertilizers. FoliarBlend® has a profound effect on both the plant and soil environment.

For more on FoliarBlend®, flip through our latest brochures under "Learn More".

Sidebar

Learn More

- Main Brochure
- Soybean Brochure
- Corn Brochure
- Wheat Brochure
- Cotton Brochure
- Rice Brochure

Packaging

- 5 gallon cases
- 55 gallon drums
- 275 gallon mini-totes

FoliarBlend Page Text

Content

PRODUCT INFORMATION

FoliarBlend® ~~Bio-Stimulant~~ Nutritional Supplement

Extreme temperatures, adverse weather conditions, disease, insect pressure, plus inadequate and imbalanced plant nutrition... All of these conditions can rob your crops of the yield and profits you deserve!

When applied as part of a good management program, FoliarBlend® works to keep your plants and the immediate soil environment, "spiked up" with the ~~nutrition and growth~~ nutritional supplements required to maximize yield and ~~minimize support~~ plant ~~stress~~ health.

FoliarBlend® simply helps a plant to reach its genetic yield potential by boosting plant growth, increasing nutrient uptake, ~~strengthening the plants' natural defense system~~ supporting plant health and quality, and building a healthy, ~~disease suppressive~~ growing environment. Research has proven that crops treated with FoliarBlend® are healthier ~~and experience less disease pressure~~, have improved nutrient uptake and availability, ~~establish larger root systems with stronger stalks~~ plant growth and higher yields.

FoliarBlend® represents a new generation of ~~bio-stimulant~~ technology. ~~Containing~~ containing complex carbohydrates, ~~plant~~ essential plant macro and micronutrients, a proprietary blend of beneficial enzymes, amino acids and a host of ~~naturally occurring plant and soil stimulants~~ nutritional supplements not found in ordinary N-P-K fertilizers. FoliarBlend® has a profound effect on both the plant's and ~~the soil's microbial~~ environment.

For more on FoliarBlend®, flip through our latest brochures under "Learn More".

Sidebar

Learn More

- Main Brochure
- Soybean Brochure
- Corn Brochure
- Wheat Brochure
- Cotton Brochure
- Rice Brochure

Packaging

- 5 gallon cases
- 55 gallon drums
- 275 gallon mini-totes

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Turf Formula / SuperCal Brochure Text

6-12-13

OK

Front Cover, p1

Turf Formula: Nutrient Activator

SuperCal Liquid Calcium

Page 2

Turf Formula: Nutrient Activator

"A Storehouse of Plant Nutrients and Nutrient Activating Substances"

"For use in the seeding, sprigging, sodding, and maintenance of turf grass."

Turf Formula® is a scientifically balanced formula of nutritional supplements including micro-nutrients, carbohydrates, enzymes, amino acids, and stabilized liquid oxygen to name a few. Turf Formula® boosts turf grass growth and quality, and works to provide the maximum release and uptake of nutrients in the soil for turfgrass production.

University research has shown Turf Formula® increases nutrient availability up to 68%. Research also proves that Turf Formula® lowers sodium levels in the soil and plant tissue. Since sodium competes with potassium for uptake, high sodium levels can greatly reduce the plants ability to absorb nutrients.

3400% Increase in Microbial Activity

The microbiology division of EMSL Analytical in New York, NY recently investigated the effects of Turf Formula® Nutrient Activator and Super-Cal® liquid calcium when applied to soil media. The soil was tested for colony forming units (CFU) before treatment and then 24 hours later after-treatment. The CFU/gram of soil went from 5,500,000 to 187,500,000. That is over 34 times more colony forming units per gram than the untreated soil.

Page 3

SuperCal Liquid Calcium

Super-Cal contains 10% soluble calcium which can help compensate for calcium deficiencies in the soil and plant. The calcium in Super-Cal remains soluble and available in the soil, but here is another aspect to Super-Cal which makes it totally unique compared to other calcium products.

Super-Cal is formulated with a proprietary blend of organic acids that go to work in the soil breaking down insoluble calcium and converting it to an available form which plants can utilize. By using Super-

Cal, literally hundreds of pounds of insoluble calcium per acre can be brought into solution insuring that the growing plant has an adequate supply.

“Why is ‘available’ calcium so important?”

- Calcium is the most important fertilizer element and a direct nutrient to growing plants.
- Neutralizes soil acidity.
- Improves activity of favorable soil bacteria and the decomposition of organic materials.
- Supports overall plant health and development, including root development.
- Improves soil structure.
- Improves the efficiency and availability of fertilizers.
- Reduces phosphate fixation.
- Increases water penetration and water holding capacity.

“Availability is the key to results.”

Page 4

Here's What To Do

Recommendations and Application Rates

Turf Formula® should be applied monthly for the maintenance and enhancement of a well established turfgrass. The rate and amount of application can, and should be altered to address the specific requirements of the user as to climate and soil conditions. Nutrient levels in the soil should be monitored with routine soil tests.

Research: Turf Formula Effects on Golf Greens

- 73% Salt Reduction in 90 Days

Research results provided by University of Missouri-Columbia and Dr. A.H. Hunter, Orange City, FL

% Change in Nutrient Uptake and Availability Using Turf Formula

<see chart in brochure>

Tees and Greens

2-4 oz./1000 Sq. Ft. every 10-15 days throughout entire growing season.

Fairways and Rough

1 quart/acre every 30 days throughout entire growing season.

(Use half rates every 15 days if stressed and/or during hot, dry conditions.)

Lawn Care & Sod Production

1 quart/acre every 30 days throughout entire growing season
(Use half rates every 15 days if stressed and/or during hot, dry conditions.)

Notes:

- Turf Formula® should be applied in early AM or late PM, if possible, followed by watering.
- Turf Formula® is compatible with most conventional fertilizers and chemicals. Conventional fertilizer and chemical rates may be reduced by 25%.
- Turf Formula® can be applied through any type sprayer or by means of injection pump through irrigation system.
- Turf Formula® should be stored out of direct sunlight.

Page 5

Turf Formula Nutrient Activator

Advantages Reported by Turf and Golf Professionals

- Turf Formula® reduces alkalinity, salt buildup and chemical carryover.
- Turf Formula® builds humus, speeds up the breakdown of organic matter and thatch.
- Turf Formula® increases soil permeability for a better developed root system and improved uptake of water and nutrients from soil.
- Turf Formula® supports the overall health of turfgrass.
- Turf Formula® supports faster recovery of turf.

SuperCal Liquid Calcium

When planning your fertility program for nitrogen, phosphorus, and potassium, remember to include a column for Super-Cal liquid calcium. It could be the edge your turf needs this season.

Calcium is the most commonly overlooked element when discussing soil fertility. This does not make sense given the fact that no other element is used more by weight and volume in the soil than calcium. Calcium is also the second highest element by percentage in plant tissue. Literally, calcium levels in the soil and plant are the backbone of an effective fertility program and Super-Cal is a proven, cost effective source to supply the calcium your turf needs.

The benefits of calcium to turf are numerous, primarily in regard to root and cell wall development. SuperCal supports the development of strong cell tissue for enhanced fluid retention during adverse weather conditions.

With today's new bentgrass varieties and lower mowing heights, there has never been a greater need for calcium supplements like Super-Cal. Calcium allows plants to use sunlight, carbon dioxide, water, nitrogen, and other minerals more efficiently and is also essential in starch conversion.

Page 6

SuperCal Liquid Calcium

Application Rates:

Tees & Greens

4-8 oz./1000 sq. ft applied every 30 days throughout the entire growing season.

Fairways & Rough

3-6 gal/acre applied in early spring when growing season begins, or 1 gal/acre every 30 days throughout the entire growing season.

Lawn Care & Sod Production

3-6 gal/acre applied in early spring when growing season begins, or 1 gal./acre every 30 days throughout the entire growing season.

Notes:

- Super-Cal should be applied in early AM or late PM, followed by watering, if possible.
- Super-Cal can be applied through any type sprayer or by means of injection pump through irrigation system.
- Super-Cal can be mixed with most nitrogen solutions, soil applied herbicides, pesticides and fungicides (Always do a jar test to insure compatibility).

Important: To avoid the formation of insoluble precipitates, DO NOT mix Super-Cal with materials containing phosphates or sulfates.

For a fertility program that is a cut above the rest, use Turf Formula and Super-Cal. It could be just the edge your turf program needs this season.

Turf Formula and Super-Cal are products of Agri-Gro Marketing, Inc.

Doniphan, MO 63935

www.agrigro.com

Turf Formula / SuperCal Brochure Text

6-12-13

Front Cover, p1

Turf Formula: ~~Bio-stimulant~~, Nutrient Activator

SuperCal Liquid Calcium

Page 2

Turf Formula: ~~Bio-stimulant~~, Nutrient Activator

"A Storehouse of Plant Nutrients and Nutrient Activating Substances"

"For use in the seeding, sprigging, sodding, and maintenance of turf grass."

Turf Formula® is a scientifically balanced formula of nutritional supplements including micro-nutrients, carbohydrates, enzymes, amino acids, and stabilized liquid oxygen ~~and other natural growth stimulants to name a few~~. Turf Formula® boosts ~~both plant and root~~ turf grass growth, and quality, and works to provide the maximum release and uptake of nutrients in the soil for turfgrass production.

University research has shown Turf Formula® increases nutrient availability up to 68%. Research also proves that Turf Formula® lowers sodium levels in the soil and plant tissue. Since sodium competes with potassium for uptake, high sodium levels can greatly reduce the plants ability to absorb nutrients. ~~High sodium levels are also conducive to high nematode counts.~~

~~Soil Deleterious Bacteria Counts~~

~~<see chart in brochure>~~

3400% Increase in Microbial Activity

The microbiology division of EMSL Analytical in New York, NY recently ~~investi-gated~~ investigated the effects of Turf Formula® Nutrient Activator and Super-Cal® liquid calcium when applied to soil media. The soil was tested for colony forming units (CFU) before treatment and then 24 hours later after-treatment The CFU/gram of soil went from 5,500,000 to 187,500,000. ~~111at~~ That is over 34 times more colony forming units per gram than the untreated soil.

Page 3

SuperCal Liquid Calcium

Super-Cal contains 10% soluble calcium which can help compensate for calcium deficiencies in the soil and plant. The calcium in Super-Cal remains soluble and available in the soil, but here is another aspect to Super-Cal which makes it totally unique compared to other calcium products.

Super-Cal is formulated with a proprietary blend of organic acids that go to work in the soil breaking down insoluble calcium and converting it to an available form which plants can utilize. By using Super-Cal, literally hundreds of pounds of insoluble calcium per acre can be brought into solution insuring that the growing plant has an adequate supply.

“Why is ‘available’ calcium so important?”

- Calcium is the most important fertilizer element and a direct nutrient to growing plants.
- Neutralizes soil acidity.
- Improves activity of favorable soil bacteria and the decomposition of organic materials.
- ~~Promotes~~Supports overall plant health and development, including root development.
- Improves soil structure.
- Improves the efficiency and availability of fertilizers.
- Reduces phosphate fixation.
- Increases water penetration and water holding capacity.

“Availability is the key to results.”

Page 4

Here's What To Do

Recommendations and Application Rates

Turf Formula® should be applied monthly for the maintenance and enhancement of a well established turfgrass. The rate and amount of application can, and should be altered to address the specific requirements of the user as to climate and soil conditions. Nutrient levels in the soil should be monitored with routine soil tests.

Research: Turf Formula Effects on Golf Greens

- ~~36% Decrease in Brown Patch Disease~~
- ~~35% Increase in Root Mass~~
- ~~33% Nematode Reduction~~
- 73% Salt Reduction in 90 Days

Research results provided by University of Missouri-Columbia and Dr. A.H. Hunter, Orange City, FL

% Change in Nutrient Uptake and Availability Using Turf Formula

<see chart in brochure>

Tees and Greens

2-4 oz./1000 Sq. Ft. every 10-15 days throughout entire growing season.

Fairways and Rough

1 quart/acre every 30 days throughout entire growing season.

(Use half rates every 15 days if stressed and/or during hot, dry conditions.)

Lawn Care & Sod Production

1 quart/acre every 30 days throughout entire growing season

(Use half rates every 15 days if stressed and/or during hot, dry conditions.)

Notes:

- Turf Formula® should be applied in early AM or late PM, if possible, followed by watering.
- Turf Formula® is compatible with most conventional fertilizers and chemicals.
~~Fertilizer~~ Conventional fertilizer and chemical rates may be reduced by 25%.
- Turf Formula® can be applied through any type sprayer or by means of injection pump through irrigation system.
- Turf Formula® should be stored out of direct sunlight.

Page 5

Turf Formula® ~~Bio-stimulant~~, Nutrient Activator

Advantages Reported by Turf and Golf Professionals

- ~~Turf Formula® increases fertilizer and chemical efficiency.~~
- Turf Formula® reduces alkalinity, salt buildup and chemical carryover.
- ~~Turf Formula® increases sugar and protein content in leaf tissue.~~
- Turf Formula® builds humus, speeds up the breakdown of organic matter and thatch.
- Turf Formula® increases ~~root mass~~ soil permeability for a better developed root system and ~~penetration, improves~~ improved uptake of water and nutrients from soil.
- Turf Formula® ~~improves~~ supports the overall health of turfgrass ~~resulting in better resistance to insect and disease pressure.~~
- Turf Formula® ~~promotes~~ supports faster recovery of turf.

SuperCal Liquid Calcium

When planning your fertility program for nitrogen, phosphorus, and potassium, remember to include a column for Super-Cal liquid calcium. It could be the edge your turf needs this season.

Calcium is the most commonly overlooked element when discussing soil fertility. This does not make sense given the fact that no other element is used more by weight and volume in the soil than calcium. Calcium is also the second highest element by percentage in plant tissue. Literally, calcium levels in the soil and plant are the backbone of an effective fertility program and Super-Cal is a proven, cost effective source to supply the calcium your turf needs.

The benefits of calcium to turf are numerous, primarily in regard to root and cell wall development. ~~Research indicates that pathogens probe their way into a cell and inject their enzymes to weaken and eventually break the cell down, thus, a stronger cell membrane can actually slow down or even stop this attack. SuperCal enhances~~ SuperCal supports the strength development of the strong cell tissue for ~~greater resistance to disease and~~ enhanced fluid retention during adverse weather conditions.

With today's new bentgrass varieties and lower mowing heights, there has never been a greater need for calcium supplements like Super-Cal. Calcium allows plants to use sunlight, carbon dioxide, water, nitrogen, and other minerals more efficiently and is also essential in starch conversion.

Page 6

SuperCal Liquid Calcium

Application Rates:

Tees & Greens

4-8 oz./1000 sq. ft applied every 30 days throughout the entire growing season.

Fairways & Rough

3-6 gal/acre applied in early spring when growing season begins, or 1 gal/acre every 30 days throughout the entire growing season.

Lawn Care & Sod Production

3-6 gal/acre applied in early spring when growing season begins, or 1 gal./acre every 30 days throughout the entire growing season.

Notes:

- Super-Cal should be applied in early AM or late PM, followed by watering, if possible.
- Super-Cal can be applied through any type sprayer or by means of injection pump through irrigation system.
- Super-Cal can be mixed with most nitrogen solutions, soil applied herbicides, pesticides and fungicides (Always do a jar test to insure compatibility).

Important: To avoid the formation of insoluble precipitates, DO NOT mix Super-Cal with materials containing phosphates or sulfates.

For a fertility program that is a cut above the rest, use Turf Formula and Super-Cal. It could be just the edge your turf program needs this season.

Turf Formula and Super-Cal are products of Agri-Gro Marketing, Inc.

Doniphan, MO 63935

www.agrigro.com

Document comparison by Workshare Compare on Tuesday, July 02, 2013
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Content

BENEFITS

The following points are advantages of using Turf Formula®. Contact us for more information on Turf Formula® benefits, usage, and availability.

- Turf Formula reduces alkalinity, salt buildup and chemical carryover.
- Turf Formula builds humus, speeds up the breakdown of organic matter and thatch.
- Turf Formula increases soil permeability; improves plant growth and the uptake of water and nutrients from soil.
- Turf Formula supports the overall health of turf grass.
- Turf Formula supports faster recovery of turf.

Turf Formula Page Text

Content

BENEFITS

The following points are advantages of using Turf Formula[®]. Contact us for more information on Turf Formula[®] benefits, usage, and availability.

- ~~Turf Formula increases fertilizer and chemical efficiency.~~
- Turf Formula reduces alkalinity, salt buildup and chemical carryover.
- ~~Turf Formula increases sugar and protein content in leaf tissue.~~
- Turf Formula builds humus, speeds up the breakdown of organic matter and thatch.
- Turf Formula increases ~~root mass and penetration,~~soil permeability; improves plant growth and the uptake of water and nutrients from soil.
- Turf Formula ~~improves~~supports the overall health of turf grass ~~resulting in better resistance to insect and disease pressure.~~
- Turf Formula ~~promotes~~supports faster recovery of turf.

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Turf Formula Page Text

Content

APPLICATION

Turf Formula® should be applied monthly for the maintenance and enhancement of a well established turf grass. The rate and amount of application, can, and should be altered to address the specific requirements of the user as to climate and soil conditions. Nutrient levels in the soil should be monitored with routine soil tests.

Tees and Greens:

2-4 oz/1000 sq ft. every 10-15 days throughout growing season.

Fairways and Rough:

1 qt / acre every 30 days throughout growing season.

(Use half rates every 15 days is stressed and/or during hot/dry conditions.)

Lawn Care and Sod Production:

1 qt / acre every 30 days throughout entire growing season.

(Use half rates every 15 days is stressed and/or during hot/dry conditions.)

Notes:

- Turf Formula® should be applied in early AM or late PM, if possible, followed by watering.
- Turf Formula® is compatible with most conventional fertilizers and chemicals. Conventional fertilizer and chemical rates may be reduced by 25%.
- Turf Formula® can be applied through any type of sprayer or by means of injection pump through irrigation system.
- Turf Formula® should be stored out of direct sunlight.

Turf Formula Page Text

Content

APPLICATION

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Turf Formula Index page text

Content

PRODUCT INFORMATION

Turf Formula Nutritional Supplement

For a fertility program that is a cut above the rest, use Turf Formula® and Super-Cal®. It could be just the edge your turf program needs this season.

Turf Formula® is a scientifically balanced formula of nutritional supplements including micro-nutrients, carbohydrates, enzymes, amino acids, and stabilized liquid oxygen to name a few. Turf Formula® boosts turf grass growth and quality, and works to provide the maximum release and uptake of nutrients in the soil for turf grass production.

University research has shown Turf Formula® increases nutrient availability up to 68%. Research also proves that Turf Formula® lowers sodium levels in the soil and plant tissue. Since sodium competes with potassium for uptake, high sodium levels can greatly reduce the plants ability to absorb nutrients.

Use Super-Cal with Turf Formula for maximum results!

SuperCal Liquid Calcium

When planning your fertility program for nitrogen, phosphorus and potassium, remember to include a column for Super-Cal liquid calcium. It could be the edge your turf needs this season!

Turf Formula Index page text

Content

PRODUCT INFORMATION

Turf Formula ~~Nutrient Activator~~ Nutritional Supplement

For a fertility program that is a cut above the rest, use Turf Formula[®] and Super-Cal[®]. It could be just the edge your turf program needs this season.

Turf Formula ~~Bio-Stimulant Nutrient Activator~~[®] is a scientifically balanced formula of nutritional supplements including micro-nutrients, carbohydrates, enzymes, amino acids, and stabilized liquid oxygen, ~~and other natural growth stimulants~~ to name a few. Turf Formula ~~Bio-Stimulant Nutrient Activator~~[®] boosts ~~both plant and root~~ turf grass growth and quality, and works to provide the maximum release and uptake of nutrients in the soil for turf grass production.

University research has shown Turf Formula ~~Bio-Stimulant Nutrient Activator~~[®] increases nutrient availability up to 68%. Research also proves that Turf Formula ~~Bio-Stimulant Nutrient Activator~~[®] lowers sodium levels in the soil and plant tissue. Since sodium competes with potassium for uptake, high sodium levels can greatly reduce the plants ability to absorb nutrients. ~~High sodium levels are also conducive to high nematode counts.~~

Use Super-Cal with Turf Formula for maximum results!

SuperCal Liquid Calcium

When planning your fertility program for nitrogen, phosphorus and potassium, remember to include a column for Super-Cal liquid calcium. It could be the edge your turf needs this season!

Document comparison by Workshare Compare on Monday, July 01, 2013 8:48:22 AM

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HOME PAGE TEXT

Solutions for Everything You Grow

Whether you're a "Master Gardener" with acres of manicured landscaping under your care; simply have a few houseplants or a small garden to tend... "Everything you grow can be grown better with Bountiful Harvest®."

All plant care products are not created equal and no one understands this better than the folks at Bountiful Harvest. For years Agri-Gro Marketing, Inc., the manufacturer of Bountiful Harvest®, has produced products for commercial growers with one objective in mind:

"To offer safe, environmentally friendly products that increase yields, food quality and support plant health, while reducing a grower's dependence on the chemical inputs which are contaminating our environment and poisoning our food supply."



That same care, quality, and purpose has been poured into every product in the Bountiful Harvest® family.

If you're looking for information on Bountiful Harvest® products, seeking plant care tips, or simply wish to Ask Our Experts a question, we hope that you find this sight both easy to use and informative. You can even purchase products online through our online store.

Please visit us often for new products and plant care tips and always feel free to email us with any questions or comments at info@bountiful-harvest.com. Thanks for visiting and remember... For Everything you Grow, Grow It Your Best With Bountiful Harvest.

Tested and Recommended

Bountiful Harvest nutritional supplement has been tested by the National Home and Gardening Club.

HOME PAGE SIDEBAR TEXT

100% SATISFACTION

Your satisfaction is important to us at Bountiful Harvest. If you are not completely satisfied with the performance of any Bountiful Harvest product, simply return the unused portion along with proof of purchase...
Read More

PLANT CARE TIPS

Check out our tips on plant relationships, inter-planting, and tomato maintenance... Read More

DEALER INFO

Whether you run a Nursery or a Hardware Store, if you're in the business of supplying items to the lawn and garden industry, Bountiful Harvest would make an excellent addition to your product line... Read More

HOME PAGE FOOTER TEXT

none

HOME PAGE TEXT

Solutions for Everything You Grow

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"To offer safe, environmentally friendly products that increase yields, food quality and support plant health, while reducing a ~~growers~~grower's dependence on the ~~toxic herbicides, pesticides and~~ chemical ~~fertilizers~~inputs which are contaminating our environment and poisoning our food supply."



That same care, quality, and purpose has been poured into every product in the Bountiful Harvest® family.

If you're looking for information on Bountiful Harvest® products, seeking plant care tips, or simply wish to Ask Our Experts a question, we hope that you find this sight both easy to use and informative. You can even purchase products online through our online store.

Please visit us often for new products and plant care tips and always feel free to email us with any questions or comments at info@bountiful-harvest.com. Thanks for visiting and remember... For Everything you Grow, Grow It Your Best With Bountiful Harvest.

Tested and Recommended

Bountiful Harvest ~~bio-stimulant~~nutritional supplement has been tested by the National Home and Gardening Club.

~~**DISCLOSURE:** Bountiful Harvest® is a nutritional supplement to the soil and plant. It is NOT a pesticide, fungicide or insecticide and is not intended to replace the role of such inputs by any grower who uses such products. Any statements or reports contained herein regarding the product's benefits or mode of action are the result of a nutritional response by the plant from the soil ecosystem.~~

HOME PAGE SIDEBAR TEXT

TESTIMONIALS

~~"I would recommend this product to anyone who takes pride in the growth and appearance of their plants..."~~

~~[Read More](#)~~

~~—B. McKinney (Winchester, IL)~~

100% SATISFACTION

Your satisfaction is important to us at Bountiful Harvest. If you are not completely satisfied with the performance of any Bountiful Harvest product, simply return the unused portion along with proof of purchase...
~~[Read More](#)~~

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HOME PAGE FOOTER TEXT

~~BOUNTIFUL HARVEST BIO-STIMULANT~~

~~If you buy only one product this year, make it Bountiful Harvest Bio-Stimulant®! You simply cannot find a better plant care product, guaranteed. For years commercial growers have used ... [Read More](#)~~

~~BOUNTIFUL HARVEST PLANT FOOD~~

~~Everything you need and nothing you don't. That's what you get with Bountiful Harvest Plant Food. Formulated from the finest quality raw materials, Bountiful Harvest Plant Foods are free of the ... [Read More](#)~~

~~BOUNTIFUL HARVEST SUPER-CAL~~

~~To grow a lawn that is vibrant and healthy, flowers that are bright and colorful, or nutritious fruits and vegetables that burst with flavor, you must have an abundant supply of calcium. Nothing can ... [Read More](#)~~

~~[none](#)~~

Document comparison by Workshare Compare on Tuesday, July 02, 2013
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BOUNTIFUL HARVEST Nutritional Supplement > Product Information

If you buy only one product this year, make it Bountiful Harvest® Nutritional Supplement! You simply cannot find a better plant care product, guaranteed.

For years commercial growers have used Agri-Gro products to increase yields, produce sweeter tasting fruits and vegetables, healthy turf grasses, and flowers that radiate with health and color. Their secret is now available to you as Bountiful Harvest® Nutritional Supplement. Bountiful Harvest is a university tested, 100% natural, environmentally friendly plant nutritional supplement which contains micro-nutrients, vitamins, enzymes, amino acids, and complex carbohydrates. Bountiful Harvest® is extremely user friendly and can be applied to the soil, seed, roots and plant foliage. Our product is safe to use around children and pets, *IF USED AS DIRECTED. (SUGGESTION)*

Bountiful Harvest® drastically improves the uptake and availability of fertilizers and those nutrients presently in the soil, supporting vigorous, robust, and vibrant plant growth. Bountiful Harvest also energizes the soil by stimulating the production of beneficial soil bacteria. These bacteria improve soil structure, build humus, and speed up the breakdown of organic matter (thatch). Bountiful Harvest® supports overall plant growth and development, including roots, which results in improved uptake of water and nutrients from the soil enabling plants to better withstand adverse weather conditions from the cold of winter to the heat of summer.

How Bountiful Harvest® Nutritional Supplement Works

Soil Application: When Bountiful Harvest® Nutritional Supplement is applied to the soil, increased enzymatic and microbial activity release tied-up nutrients. These nutrients are then available to be taken up more readily by plants. This tremendous increase in the availability and uptake of nutrients has a direct influence on the growth and development of the plant, resulting in higher quality and better yield.

Foliar Application: The benefits of Bountiful Harvest® Nutritional Supplement are not limited to its effect in the soil. Bountiful Harvest® also provides tremendous benefits when applied to the foliage of growing plants. Bountiful Harvest® contains micro-nutrients, carbohydrates, enzymes, amino acids, and plant friendly carbohydrates. When applied at certain stages of plant development these ingredients can significantly improve plant growth and yield.

BOUNTIFUL HARVEST ~~BIO-STIMULANT~~ Nutritional Supplement > Product Information

If you buy only one product this year, make it Bountiful Harvest ~~Bio-Stimulant~~® Nutritional Supplement! You simply cannot find a better plant care product, guaranteed.

For years commercial growers have used Agri-Gro products to increase yields, produce sweeter tasting fruits and vegetables, healthy turf grasses, and flowers that radiate with health and color. Their secret is now available to you as Bountiful Harvest ~~Bio-Stimulant~~® Nutritional Supplement. Bountiful Harvest is a university tested, 100% natural, environmentally friendly ~~bio-stimulant (biological growth activator)~~ plant nutritional supplement which contains micro-nutrients, vitamins, enzymes, amino acids, and complex carbohydrates. Bountiful Harvest® is extremely user friendly and can be applied to the soil, seed, roots and plant foliage. Our product is safe to use around children and pets.

Bountiful Harvest® drastically improves the uptake and availability of fertilizers and those nutrients presently in the soil, ~~giving plants a boost in growth, vigor and health~~ supporting vigorous, robust, and vibrant plant growth. Bountiful Harvest also energizes the soil by stimulating the production of beneficial soil bacteria. These bacteria improve soil structure, build humus, and speed up the breakdown of organic matter (thatch) ~~and help fight against soil borne pathogens and their effects~~. Bountiful Harvest® ~~stimulates~~ supports overall plant growth and development, including roots, which ~~improves the~~ results in improved uptake of water and nutrients from the soil enabling plants to better withstand adverse weather conditions from the cold of winter to the heat of summer.

How Bountiful Harvest ~~Bio-Stimulant~~® Nutritional Supplement Works

Soil Application: When Bountiful Harvest ~~Bio-Stimulant~~® Nutritional Supplement is applied to the soil, increased enzymatic and microbial activity release tied-up nutrients. These nutrients are then available to be taken up more readily by plants. This tremendous increase in the availability and uptake of nutrients has a direct influence on the growth and development of the plant, resulting in higher quality and better yield.

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~~Applying Bountiful Harvest Bio-Stimulant® to the foliage increases photosynthesis and the plant's ability to metabolize carbohydrates, proteins, and other growth compounds contained in the leaves and transfer them to the root system. From the root system these compounds move out into the rhizosphere, feeding bacteria, algae, fungi and protozoa which in turn produce beneficial enzymes, organic acids, antibiotics, growth supplements and other nutrients. These growth stimulants are then re-absorbed by the roots and transported back through the plant system producing higher yielding healthier crops.~~

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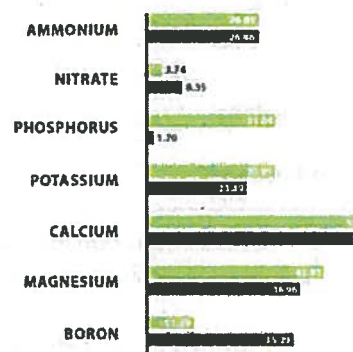
BOUNTIFUL HARVEST NUTRITIONAL SUPPLEMENT > Test Results

Increase in Nutrient Availability

In a detailed University study, the active ingredients in Bountiful Harvest Nutritional Supplement significantly increased the uptake and availability of 12 macro and micro-nutrients in the soil and plant tissue: ammonium, nitrate, phosphorus, potassium, calcium, magnesium, boron, manganese, copper, iron, zinc, and molybdenum. Use of Bountiful Harvest Nutritional Supplement active ingredients also lowered levels of sodium.

[Click here to view the % of Changes in Nutrient Availability](#)

(Research conducted by Dr. David Sasseville, Lincoln University)



Increase in Vegetable Yields

Below is a list of some of the documented results achieved using our Bountiful Harvest Nutritional Supplement at various locations and on a variety of plants.

Bell Peppers	25 to 29% increase in yields. <i>Fertilizantes Tepeyac, Mexico</i>
Broccoli	16% increases in yield. <i>Fertilizantes Tepeyac, Mexico</i>
Carrots	113% increase in weight and yield. <i>Southeast Missouri State University</i>
Cayenne Peppers	23 to 42% increase in yields. <i>Fertilizantes Tepeyac, Mexico</i>
Celery	6% increase in yields. <i>Fertilizantes Tepeyac, Mexico</i>
Jalapeno Peppers	13% increase and better quality. <i>Fertilizantes Tepeyac, Mexico</i>
Lima Beans	60% increase in yield. <i>Fertilizantes Tepeyac, Mexico</i>
Okra	29% increase in yield and higher quality. <i>Fertilizantes Tepeyac, Mexico</i>
Onions	50% increase in onions over 3 inch diameter, 7% increase in numbers. <i>Oregon State University</i> 45 to 93% increase in yield. <i>Southeast Missouri State University</i>
Poblano Peppers	27% increase and better quality. <i>Fertilizantes Tepeyac, Mexico</i>
Potatoes	Premium potatoes increased by 37%, Grade A#1 increased 26%. <i>University of Florida</i> 18 to 24% increase in Grade #1 potatoes. <i>Southeast Missouri State University</i> 17 to 18.4% increase in yield with higher quality. <i>Fertilizantes Tepeyac, Mexico</i>
Snap Beans (Green Beans)	10 to 11% increase in yield. <i>University of Tennessee</i>
Squash	53% increase in yield. <i>Fertilizantes Tepeyac, Mexico</i>

Sugar Beets

27% increase in yield.

University of Wyoming

Tomatoes

122% increase in weight yield and 104% increase in numbers.

Southeast Missouri State University

50 to 68% increase in size and weight.

Fertilizantes Tepeyac, Mexico

Watermelons

16% increase in yield.

University of Tennessee

Turf Research

- Root Penetration Increase 35% (due to improved soil conditions)
- Total Plant Growth Increase 32%

Results provided by A.S.I., Inc. Dr. A.H. Hunter, Orange City, FL

Microbial Test Results

Sample 1

Non-treated soil sample checked for microbial activity.

Results: 31,800,000 SPC/GM

Sample 2

Same soil as sample #1 except treated with Bountiful Harvest Nutritional Supplement 72 hours prior to analyzing for microbial activity.

Results: 600,000,000 SPC/GM

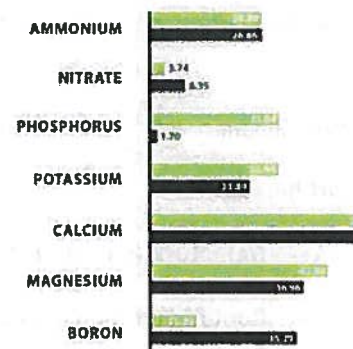
The Bountiful Harvest Nutritional Supplement produced a 2000% increase in microbial activity within 72 hours!

Tests conducted by: Morning Star Laboratories Inc., Moorpark, CA

BOUNTIFUL HARVEST ~~BIO-STIMULANT~~ NUTRITIONAL SUPPLEMENT > Test Results

Increase in Nutrient Availability

In a detailed University study, the active ingredients in Bountiful Harvest ~~Bio-Stimulant~~ Nutritional Supplement significantly increased the uptake and availability of 12 macro and micro-nutrients in the soil and plant tissue: ammonium, nitrate, phosphorus, potassium, calcium, magnesium, boron, manganese, copper, iron, zinc, and molybdenum. Use of Bountiful Harvest ~~Bio-Stimulant~~ Nutritional Supplement active ingredients also lowered levels of sodium.



[Click here to view the % of Changes in Nutrient Availability](#) [Click here to view the % of Changes in Nutrient Availability](#)

(Research conducted by Dr. David Sasseville, Lincoln University)

Increase in Vegetable Yields

Below is a list of some of the documented results achieved using our Bountiful Harvest ~~Bio-Stimulant~~ Nutritional Supplement at various locations and on a variety of plants.

Bell Peppers	25 to 29% increase in yields. <i>Fertilizantes Tepeyac, Mexico</i>
Broccoli	16% increases in yield plus longer shelf life. <i>Fertilizantes Tepeyac, Mexico</i>
Carrots	113% increase in weight and yield. <i>Southeast Missouri State University</i>
Cayenne Peppers	23 to 42% increase in yields. <i>Fertilizantes Tepeyac, Mexico</i>
Celery	6% increase in yields. <i>Fertilizantes Tepeyac, Mexico</i>
Jalapeno Peppers	13% increase and better quality. <i>Fertilizantes Tepeyac, Mexico</i>
Lima Beans	60% increase in yield with better quality storage life. <i>Fertilizantes Tepeyac, Mexico</i>
Okra	29% increase in yield and higher quality. <i>Fertilizantes Tepeyac, Mexico</i>
Onions	50% increase in onions over 3 inch diameter, 7% increase in numbers. <i>Oregon State University</i> 45 to 93% increase in yield with larger sized bulbs. <i>Southeast Missouri State University</i>
Poblano Peppers	27% increase and better quality. <i>Fertilizantes Tepeyac, Mexico</i>
Potatoes	Premium potatoes increased by 37%, Grade A#1 increased 26%. <i>University of Florida</i> 18 to 24% increase in Grade #1 potatoes. <i>Southeast Missouri State University</i> 17 to 18.4% increase in yield with higher quality. <i>Fertilizantes Tepeyac, Mexico</i>
Snap Beans (Green Beans)	10 to 11% increase in yield. <i>University of Tennessee</i>
Squash	53% increase in yield with a longer shelf life.

Sugar Beets

Fertilizantes Tepeyac, Mexico

27% increase in yield ~~with 7% higher sugar content.~~

University of Wyoming

Tomatoes

122% increase in weight yield and 104% increase in numbers.

Southeast Missouri State University

50 to 68% increase in size and weight ~~with improved storage life.~~

Fertilizantes Tepeyac, Mexico

Watermelons

16% increase in yield.

University of Tennessee

Turf Research

← **Nematode Reduction 33%**

- Root Penetration Increase 35% (due to improved soil conditions)
- Total Plant Growth Increase 32%

Results provided by A.S.I., Inc. Dr. A.H. Hunter, Orange City, FL

Microbial Test Results

Sample 1

Non-treated soil sample checked for microbial activity.

Results: 31,800,000 SPC/GM

Sample 2

Same soil as sample #1 except treated with Bountiful Harvest ~~Bio-Stimulant~~ Nutritional Supplement 72 hours prior to analyzing for microbial activity.

Results: 600,000,000 SPC/GM

The Bountiful Harvest ~~Bio-Stimulant~~ Nutritional Supplement produced a 2000% increase in microbial activity within 72 hours!

Tests conducted by: Morning Star Laboratories Inc., Moorpark, CA

Document comparison by Workshare Compare on Monday, July 01, 2013 9:01:28 AM

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Bountiful Harvest Page Text

Content

BENEFITS

When Bountiful Harvest Nutritional Supplement is applied to the soil, increased enzymatic and microbial activity release tied-up nutrients. These nutrients are then available to be taken up more readily by plants. This tremendous increase in the availability and uptake of nutrients has a direct influence on the growth and development of the plant, resulting in higher quality and better yield.

The benefits of Bountiful Harvest Nutritional Supplement are not limited to its effect in the soil. Bountiful Harvest also provides tremendous benefits when applied to the foliage of growing plants. Bountiful Harvest contains micronutrients, enzymes, and amino acids. Applications timed before or during key growth stages in crop development or nutrient demand can help plants overcome “hidden hunger,” where nutrient availability falls short of crop demand for top yields.

Content

BENEFITS

When Bountiful Harvest ~~bio-stimulant~~Nutritional Supplement is applied to the soil, increased enzymatic and microbial activity release tied-up nutrients. These nutrients are then available to be taken up more readily by plants. This tremendous increase in the availability and uptake of nutrients has a direct influence on the growth and development of the plant, resulting in higher quality and better yield.

The benefits of Bountiful Harvest ~~Bio-Stimulant~~Nutritional Supplement are not limited to its effect in the soil. Bountiful Harvest also provides tremendous benefits when applied to the foliage of growing plants. Bountiful Harvest contains micronutrients, ~~growth hormones~~, enzymes, and amino acids. ~~When applied at certain stages of plant development these ingredients can significantly improve plant growth and yield~~Applications timed before or during key growth stages in crop development or nutrient demand can help plants overcome "hidden hunger," where nutrient availability falls short of crop demand for top yields.

~~Applying Bountiful Harvest Bio-Stimulant to the foliage increases photosynthesis and the plant's ability to metabolize carbohydrates, proteins, and other growth compounds contained in the leaves and transfer them to the root system. From the root system these compounds move out into the rhizosphere, feeding bacteria, algae, fungi and protozoa which in turn produce beneficial enzymes, organic acids, antibiotics, growth hormones and other nutrients. These growth stimulants are then re-absorbed by the roots and transported back through the plant system producing higher yielding healthier crops.~~

Document comparison by Workshare Compare on Friday, June 28, 2013 3:52:08 PM

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Total changes	13

BOUNTIFUL HARVEST Nutritional Supplement > FAQ's

Q. How does Bountiful Harvest® Nutritional Supplement work?

Answer. See [Product Information](#) page.

Q. Will Bountiful Harvest® Nutritional Supplement mix with other products?

Answer. Bountiful Harvest® Nutritional Supplement will mix with most liquid fertilizers, herbicides, insecticides and all Bountiful Harvest brand products.

Q. Will Bountiful Harvest® Nutritional Supplement burn my plants if too much is applied?

Answer. Bountiful Harvest® Nutritional Supplement is a concentrate and should be diluted with at least 20 parts of water. When diluted it will not harm plants at any rate of application.

Q. What are some of the benefits of using Bountiful Harvest® Nutritional Supplement ?

Answer. Tastier vegetables, spectacular flowers, turf and perennials.

Q. Are Bountiful Harvest® products safe to use around children and pets?

Answer. Yes, all of our products are non-toxic, non-carcinogenic, non-hazardous, and contain no pathogenic micro-organisms. *, IF USED AS DIRECTED. SUGGESTION*

Q. Will Bountiful Harvest® Nutritional Supplement make my hair thicker and have more curl?

Answer. Probably not, but eating food containing more nutrients from using Bountiful Harvest in your garden can't hurt.

BOUNTIFUL HARVEST ~~BIO-STIMULANT~~ Nutritional Supplement > FAQ's

Q. How does Bountiful Harvest ~~Bio-Stimulant~~® Nutritional Supplement work?

Answer. See Product Information page.

Q. Will Bountiful Harvest ~~Bio-Stimulant~~® Nutritional Supplement mix with other products?

Answer. Bountiful Harvest ~~Bio-Stimulant~~® Nutritional Supplement will mix with most liquid fertilizers, herbicides, insecticides and all Bountiful Harvest brand products.

Q. Will Bountiful Harvest ~~Bio-Stimulant~~® Nutritional Supplement burn my plants if too much is applied?

Answer. Bountiful Harvest ~~Bio-Stimulant~~® Nutritional Supplement is a concentrate and should be diluted with at least 20 parts of water. When diluted it will not harm plants at any rate of application.

Q. What are some of the benefits of using Bountiful Harvest ~~Bio-Stimulant~~® Nutritional Supplement ?

Answer. Tastier vegetables, ~~sweeter~~ fruits, spectacular flowers, ~~healthier~~ turf, and ~~hardier~~ perennials.

Q. Are Bountiful Harvest® products safe to use around children and pets?

Answer. Yes, all of our products are non-toxic, non-carcinogenic, non-hazardous, and contain no pathogenic micro-organisms.

Q. Will Bountiful Harvest® Nutritional Supplement make my hair thicker and have more curl?

Answer. Probably not, but eating food containing more nutrients from using Bountiful Harvest in your garden can't hurt.

Document comparison by Workshare Compare on Monday, July 01, 2013 8:51:50 AM

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Total changes	25

Content

APPLICATION

Will Bountiful Harvest Nutritional Supplement mix with other products?

Bountiful Harvest Nutritional Supplement will mix with most conventional liquid fertilizers, herbicides, insecticides and all Bountiful Harvest brand products.

Will Bountiful Harvest Nutritional Supplement burn my plants if too much is applied?

Bountiful Harvest Nutritional Supplement is a concentrate and should be diluted with at least 20 parts of water. When diluted it will not harm plants at any rate of application.

How often should I apply Bountiful Harvest Nutritional Supplement?

After an initial application made while transplanting or seeding the growing plant will benefit from weekly foliar sprays.

When is the best time to apply Bountiful Harvest Nutritional Supplement?

Early morning or late evening, avoiding direct sunlight when temperatures exceed 85°.

How much should I apply at a time?

For foliar sprays mix 2 ounces in a gallon of water and mist evenly onto foliage of plants. For lawn applications apply 2 ounces for every 1000 square feet of grass. A hose end sprayer works best for lawns.

Are Bountiful Harvest products safe to use around children and pets?

Yes, all of our products are non-toxic, non-carcinogenic, non-hazardous, and contain no pathogenic microorganisms, *if used as directed.*

(SUGGESTION)



Bountiful Harvest Page Text

Content

APPLICATION

Will Bountiful Harvest ~~Bio-Stimulant~~ Nutritional Supplement mix with other products?

Bountiful Harvest ~~Bio-Stimulant~~ Nutritional Supplement will mix with most conventional liquid fertilizers, herbicides, insecticides and all Bountiful Harvest brand products.

Will Bountiful Harvest ~~Bio-Stimulant~~ Nutritional Supplement burn my plants if too much is applied?

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Are Bountiful Harvest products safe to use around children and pets?

Yes, all of our products are non-toxic, non-carcinogenic, non-hazardous, and contain no pathogenic microorganisms.

Document comparison by Workshare Compare on Tuesday, July 02, 2013 1:33:51 PM

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Total changes	18

BOUNTIFUL HARVEST Nutritional Supplement > Application

Watering, Transplant, or Drench Solution:

Mix 1 – 2 oz. of concentrate in one gallon of water. Use 4 oz. (1/2 cup) of diluted solution per plant every 4 weeks. For best results, dip seed in this solution or let bulbs and bare roots soak in this solution one hour prior to planting.

Foliage Spray (Flowers, fruits, vegetables, trees, shrubs, houseplants):

Mix 1 – 2 oz. in one gallon of water and mist evenly onto plant foliage every 5 – 7 days. Water as usual. Note: For best results, apply in early morning or late evening, not in direct sunlight when temperatures exceed 85 degrees F.

WARNING! Do NOT apply to the foliage of African Violet Plants.

Lawns:

Apply 1 – 2 oz. to each 1,000 sq ft. of lawn every 30 – 45 days throughout entire growing season. Water in well. Hose end sprayers work best for this application.

Always Shake container well before use.

BOUNTIFUL HARVEST ~~BIO-STIMULANT~~ > Application ~~Bio-Stimulant~~ Nutritional Supplement **> Application**

Watering, Transplant, or Drench Solution:

Mix 1 – 2 oz. of concentrate in one gallon of water. Use 4 oz. (1/2 cup) of diluted solution per plant every 4 weeks. For best results, dip seed in this solution or let bulbs and bare roots soak in this solution one hour prior to planting.

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Always Shake container well before use.

Document comparison by Workshare Compare on Monday, July 01, 2013 9:09:57 AM

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Bountiful Harvest Page Text

Content

PRODUCT INFORMATION

Bountiful Harvest Nutritional Supplement

Whether you're a Master Gardener with acres of manicured landscaping under your care, or simply have a few houseplants or a small garden to tend, "Everything You Grow Can Be Grown Better With Bountiful Harvest".

All plant care products are not created equal and no one understands this better than the manufacturers of Bountiful Harvest.

For years, the parent company of Bountiful Harvest, Agri-Gro Marketing, Inc., has produced products for commercial growers with one objective in mind: To offer safe, environmentally friendly products that increase yields, food quality and support plant health, while reducing a growers dependence on chemical inputs which are contaminating our environment and poisoning our food supply.

That same care, quality and purpose has been poured into every product in the Bountiful Harvest family.

Other Bountiful Harvest Products

SuperCal Liquid Calcium

To grow a lawn that is vibrant and healthy, flowers that are bright and colorful, or nutritious fruits and vegetables that burst with flavor, you must have an abundant supply of calcium. Nothing can replace the role of calcium in the nutritional supply chain, and when it comes to supplying the calcium your plants require, nothing beats Super-Cal. [Read More](#)

Bountiful-Harvest.com

For more information on the Bountiful Harvest line of products, or to order, visit www.bountiful-harvest.com.

Sidebar.

Learn More

- [Product Info](#)
- [Benefits](#)
- [Application](#)

Purchase

To purchase Bountiful Harvest products visit bountiful-harvest.com.

Packaging

- [Pint](#)
- [Quart](#)
- [Gallon](#)

- 5 gallon case (Super-Cal only)

Bountiful Harvest Page Text

Content

PRODUCT INFORMATION

Bountiful Harvest ~~Bio-Stimulant~~ Nutritional Supplement

Whether you're a Master Gardener with acres of manicured landscaping under your care, or simply have a few houseplants or a small garden to tend, "Everything You Grow Can Be Grown Better With Bountiful Harvest".

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That same care, quality and purpose has been poured into every product in the Bountiful Harvest family.

Other Bountiful Harvest Products

SuperCal Liquid Calcium

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Bountiful-Harvest.com

For more information on the Bountiful Harvest line of products, or to order, visit www.bountiful-harvest.com.

Sidebar

Learn More

- Product Info
- Benefits
- Application

Purchase

To purchase Bountiful Harvest products visit bountiful-harvest.com.

Packaging

- Pint
- Quart

SLC 6949852-1

DIDN'T REALLY HAVE
TO TAKE OUT

- Gallon
- 5 gallon case (Super-Cal only)

Document comparison by Workshare Compare on Friday, June 28, 2013 3:43:47 PM

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IgniteS² Brochure

OK

Front Cover

IgniteS² Soil and Starter Supplement

ENGINEERED FOR HIGH PERFORMANCE GROWTH

HEALTHIER SOILS | STRONGER PLANTS | HIGHER YIELDS

Page 2

Start Strong...

To finish on top you need a strong start.

IgniteS² is formulated to get your crops out of the gate early before lack of nutrition and resulting stress can rob them of the development, health, and yield they were designed to produce.

Page 3

...Finish Strong

IgniteS² by Agri-Gro® contains essential soil and plant nutritional supplements not found in ordinary N-P-K fertilizers that help plants maximize yield and overcome stress from lack of nutrition. IgniteS² ensures that your soil and crops are getting the nutrition they require when it is needed most.

With IgniteS² you can tank mix a nutritional supplement into your normal spray or in-row starter program that has a targeted effect on the soil and plants' biological system. This effect improves soil structure, promotes healthy soil for better growing conditions, increases fertilizer efficiency, supports vibrant and robust plant growth, and boosts yields. IgniteS² is designed to do all that and more.

IgniteS² supplies essential nutrients and beneficial soil and plant supplements that boost plant growth, allowing crops to reach their genetic yield potential. Field studies have shown that crops treated with IgniteS² are healthier, have improved nutrient uptake and availability, plant growth and higher yields.

Page 4

It All Starts With... The Soil

IT'S TIME TO GET WHAT YOU'RE PAYING FOR OUT OF THE SOIL AND INTO THE CROP WHERE IT'S NEEDED.

If your soil is like most, you probably have an abundance of insoluble nutrients that are not available to your crops. These are nutrients you have paid for, but are not receiving any benefit from. IgniteS² will harness these nutrients and put them to work for your crop during the growing season.

When soil applied or placed in furrow at planting, various studies have shown the active ingredients in IgniteS² trigger a natural biological process that creates an explosion of beneficial microbial growth of 3,000% or more within the first 72 hours of application. This increased enzymatic and microbial activity works to release insoluble nutrients in the soil and convert them to a soluble form plants can utilize. By improving the uptake and availability of applied fertilizers and those nutrients presently in the soil, IgniteS² helps “Get What You’re Paying For” out of the soil and into the plant where it’s needed.

This tremendous increase in the availability of nutrients has a direct effect on the growth and development of your crops, resulting in healthier, higher quality plants with better yields.

University testing has proven that when applied broadcast to the soil or placed in-furrow at planting, the active ingredients in IgniteS² create significantly higher concentrations of available nitrogen, calcium, copper, potassium, magnesium, manganese, phosphorus, boron, molybdenum, iron and zinc compared to untreated soils. IgniteS² makes more of nutrients available for deposit in the vegetative tissue as well, having a positive result on yield, test weight, and quality.

Page 5

Percent of increase in Nutrient Availability Using IgniteS²

[see chart p 5]

In a detailed university study, the active ingredients in IgniteS² significantly increased the uptake and availability of 12 macro and micro-nutrients while lowering the levels of sodium in the soil and plant tissue.

Conclusion: IgniteS² not only improves yield and plant growth, but has the potential to reduce environmental pollution by more efficient utilization of fertilizer nutrients and thus the potential reduction of applied conventional fertilizers.

Page 6

Improved Microbial Activity Equals Better Nutrient Cycling and Residue Management

In nature, when plants and animals expire, over time they decay with exposure to water, sun, air, and the family of naturally occurring micro-organisms called decomposers. However, in most commercially farmed soils, the biological activity in the soil has become very low. This leaves partially decomposed organic matter and crop residue to accumulate, which minimizes the soil’s effectiveness to transfer nutrients and creating less than ideal growing conditions for plants. The

resulting consequences create a greater need for applied fertilizers and chemical fungicides to sustain favorable growing conditions.

IgniteS² re-invigorates this natural biological process by increasing the populations of indigenous decomposing micro-organisms in the soil. In fact, research by EMSL Labs, New York, NY, verified the

active ingredients in IgniteS² are able to stimulate microbial activity by 3400% within 24 hours of application. This improves the natural bio-degradation process which allows the earth to recycle itself, resulting in more organic matter and the production of humus, a valuable source of plant nutrition.

With IgniteS² stimulating this powerful microbial process, crops will benefit from a noticeable increase in available nutrients as well as the production of other plant beneficial compounds including proteins and enzymes, and physical improvements to the soil strata these microbes generate. The plant/soil system becomes healthier and more efficient in its uptake of nutrients, requiring less water and less conventional N-P-K fertilizer to produce higher crop yields.

Soils with low levels of microbial activity will not be as productive as those with elevated levels of beneficial micro-organisms, regardless of the amount of fertilizer applied.

Page 7

QUALITY OVER QUANTITY

While high microbial populations in a growing environment are important, a better indication of a soil's health and production capabilities are the types of microbes involved. This brings to light another advantage of IgniteS², the ability to elevate the numbers of beneficial species.

Research by EMSL Labs, New York, NY, verified IgniteS² was able to stimulate microbial activity by 5,000% within 24 hours of application.

[see chart p 7] "5000% increase"

BENEFITS AT A GLANCE

- Supports plant growth and development from seed germination and early plant growth through harvest, and from root to tip.
- Significantly improves return on investment.
- Improves the availability of resident soil minerals and fertilizer materials.
- Improves crop quality and yields.
- Improves soil structure; tilth, porosity, and friability.
- Minimizes the impact of pH extremes.
- Improves water management within the soil.
- Aids in the detoxification of pollutants (chemical residues, salts).

Page 8

Research Results

Molybdenum is essential for nitrogen fixation in all legumes. When applied at 16oz. per acre in furrow at planting, IgniteS2, which contains Molybdenum in chelated form, allows soybeans to reach their full potential by supporting maximum nitrogen nodulation.

[Image: Nodulation on soybeans IgniteS² Vs control]

211% Increase in Nodule Count (see chart)

57% Increase in Nodule Weight (see chart)

Research by University of Arkansas. 2011

Page 9

Corn Research

11.3 Bushel / Acre Increase in Yields

When applied at 16oz/acre in furrow, at planting.

Irrigation Research Foundation. Yuma, CO. 2011

[see chart p 9]

Supporting Plant Health

IgniteS² treated plots showed increased levels of Mn reducing bacteria by an average 214% in corn.

Mn reducing bacteria transform manganese to a plant available form.

USDA & University of Missouri. Roundup Ready™ Corn Research.

Replicated Research, Two Year Average.

[see chart p 9]

IgniteS² treated plots showed increased levels of Fluorescent Pseudomonad Bacteria by an average 80% in corn.

Fluorescent Pseudomonad Bacteria are generally associated with beneficial effects of the rhizosphere bacterial community.

USDA & University of Missouri. Roundup Ready™ Corn Research.

Replicated Research, Two Year Average.

[see chart p 9]

Soybean Research

6.6 Bushel / Acre Increase in Yields

When applied at 16oz/acre in furrow, 2x2.

Irrigation Research Foundation. Yuma, CO. 2012

[see chart p 9]

Supporting Plant Health

IgniteS² treated plots showed increased levels of Mn reducing bacteria by an average 89% in soybeans. Mn reducing bacteria transform manganese to a plant available form.

USDA & University of Missouri. Roundup Ready™ Soybean Research.

Replicated Research, Two Year 3 Study Average.

[see chart p 9]

IgniteS² treated plots showed increased levels of Fluorescent Pseudomonad Bacteria by an average 256% in soybeans.

Fluorescent Pseudomonad Bacteria are generally associated with beneficial effects of the rhizosphere bacterial community.

USDA & University of Missouri. Roundup Ready™ Soybean Research.

Replicated Research, Two Year Average.

[see chart p 9]

Back Cover

Application Directions

Broadcast Soil Application: To enhance nutrient uptake and availability and improve crop residue management, IgniteS² should be soil applied in the spring and/or fall at a rate of 1-2 pints per acre, per application.

In Row / Starter Application: IgniteS² should be applied in-furrow or 2x2 with all liquid starters at a rate of 1-2 pints per acre at planting.

IgniteS² can be applied through standard ground or aerial application equipment and may be mixed with most herbicides, pesticides, fungicides and conventional liquid fertilizers.

IgniteS² is available in:

- 5 gallon boxes
- 55 gallon drums
- 275 gallon totes

Formulated for all:

- field crops

- fruit crops
- vegetable crops

IgniteS² can take your yields and profits to the next level. To maximize yields, support overall plant health, and boost profits even further, continue treating established crops with FoliarBlend® by Agri-Gro®. Please contact your local distributor or visit us online at www.agrigro.com to learn more about FoliarBlend® and the other fine products offered by Agri-Gro Marketing, Inc.

www.IgniteS2.com

Agri-Gro Marketing, Inc®, Agri-Cal®, Foliar Blend by Agri-Gro® and Agri-Gro Ultra® are trademarks of Agri-Gro Marketing, Inc.

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IgniteS² Brochure

Front Cover-~~Text~~

IgniteS² Soil and Starter Supplement

ENGINEERED FOR HIGH PERFORMANCE GROWTH

IgniteS² Soil and Starter Supplement

HEALTHIER SOILS | STRONGER PLANTS | HIGHER YIELDS

Page 2-~~Text~~

Start Strong~~---~~...

To finish on top you need a strong start.

IgniteS² is formulated to get your crops out of the gate early before ~~stress and~~ lack of nutrition and resulting stress can rob them of the development, health, and yield they were designed to produce.

Page 3-~~Text~~

...**Finish Strong**~~---~~

IgniteS² by Agri-Gro® contains essential ~~nutrients along with powerful~~ soil and plant ~~stimulants~~ nutritional supplements not found in ordinary N-P-K fertilizers that help plants maximize yield and overcome stress from ~~weather, disease, and~~ lack of nutrition. IgniteS² ensures that your soil and crops are getting the nutrition they require when it is needed most.

With IgniteS² you can tank mix a ~~product~~ nutritional supplement into your normal spray or in-row starter program that has a targeted effect on the soil and plants' biological system. This effect improves soil structure, promotes healthy soil for better growing conditions, increases fertilizer efficiency, ~~improves germination and~~ supports vibrant and robust plant growth, and boosts yields ~~and lowers disease pressure~~. IgniteS² is designed to do all that and more.

IgniteS² ~~simply helps your crop reach its~~ supplies essential nutrients and beneficial soil and plant supplements that boost plant growth, allowing crops to reach their genetic yield potential ~~by boosting plant growth, increasing nutrient uptake, strengthening the plants' natural defense system and building a healthy, disease suppressive growing environment~~. Field studies have shown that crops treated with IgniteS² are healthier ~~and experience less disease pressure~~, have improved nutrient

uptake and availability, ~~establish larger root systems with stronger stalks~~ plant growth and higher yields.

Page 4 ~~Text~~

It All Starts With... The Soil

~~IT~~ **ALL STARTS WITH...** 'S TIME TO GET WHAT YOU'RE PAYING FOR OUT OF THE SOIL AND INTO THE CROP WHERE IT'S NEEDED.

If your soil is like most, you probably have an abundance of insoluble nutrients that are not available to your crops. These are nutrients you have paid for, but are not receiving any benefit from. IgniteS² will harness these nutrients and put them to work for your crop during the growing season.

When soil applied or placed in furrow at planting, various studies have shown the active ingredients in IgniteS² trigger a natural biological process that creates an explosion of beneficial microbial growth of 3,000% or more within the first 72 hours of application. This increased enzymatic and microbial activity works to release insoluble nutrients in the soil and convert them to a soluble form plants can utilize. By improving the uptake and availability of applied fertilizers and those nutrients presently in the soil, IgniteS² helps "Get What You're Paying For" out of the soil and into the plant where it's needed.

This tremendous increase in the availability of nutrients has a direct effect on the growth and development of your crops, resulting in healthier, higher quality plants with better yields.

University testing has proven that when applied broadcast to the soil or placed in-furrow at planting, the active ingredients in IgniteS² create significantly higher concentrations of available nitrogen, calcium, copper, potassium, magnesium, manganese, phosphorus, boron, molybdenum, iron and zinc compared to untreated soils. IgniteS² ~~also boosts the concentration of these~~ makes more of nutrients available for deposit in the vegetative tissue as well, having a positive result on yield, test weight, and quality.

~~"It's time to get what you're paying for out of the soil and into the plant where it's needed."~~

Page 5 ~~Text~~

Percent of increase in Nutrient Availability Using IgniteS²

[see chart p 5]

<ul style="list-style-type: none">Ammonium 26.89Nitrate 3.74Phosphorous 31.04Potassium 30.95Calcium 55.61Magnesium 42.93Boron 11.29Manganese 68.15	<ul style="list-style-type: none">Copper 19.05Iron 52.94Sodium 16.80Zinc 25.23Molybdenum 50.00
---	--

Research conducted by Lincoln University, Jefferson City, MO

In a detailed university study, the active ingredients in IgniteS² significantly increased the uptake and availability of 12 macro and micro-nutrients while lowering the levels of sodium in the soil and plant tissue.

Conclusion: IgniteS² not only improves yield and plant growth, but has the potential to reduce environmental pollution by more efficient utilization of fertilizer nutrients and thus the potential reduction of applied conventional fertilizers.

Page 6-~~Text~~

Improved Microbial Activity Equals Better Nutrient Cycling and Residue Management

In nature, when plants and animals expire, over time they decay with exposure to water, sun, air, and the family of naturally occurring micro-organisms called decomposers. However, in most commercially farmed soils, the biological activity in the soil has become very low. This leaves partially decomposed organic matter and crop residue to accumulate, which minimizes the soil's effectiveness to transfer nutrients and ~~increasing the risk of seedling disease~~creating less than ideal growing conditions for plants. The

resulting consequences create a greater need for applied fertilizers and chemical fungicides to sustain favorable growing conditions.

IgniteS² re-invigorates this natural biological process by increasing the populations of indigenous decomposing micro-organisms in the soil. In fact, research by EMSL Labs, New York, NY, verified the active ingredients in IgniteS² are able to stimulate microbial activity by 3400% within 24 hours of application. This improves the natural bio-degradation process which allows the earth to recycle itself, resulting in more organic matter and the production of humus, a valuable source of plant nutrition.

With IgniteS² stimulating this powerful microbial process, crops will benefit from a noticeable increase in available nutrients as well as the production of other plant beneficial compounds including proteins, and enzymes, ~~antibiotics, and growth stimulants~~and physical improvements to the soil strata these microbes generate. ~~Germination and early plant development is significantly improved and~~the~~The~~ plant/soil system becomes healthier and more efficient in its uptake of nutrients, requiring less water and ~~applied fertilizers~~less conventional N-P-K fertilizer to produce higher crop yields.

Soils with low levels of microbial activity will not be as productive as those with elevated levels of beneficial micro-organisms, regardless of the amount of fertilizer applied.

Page 7-~~Text~~

QUALITY OVER QUANTITY

~~More of the Good, Less of the Bad~~

While high microbial populations in a growing environment are important, a better indication of a soil's health and production capabilities are the types of microbes involved. This brings to light another advantage of IgniteS2, the ability to ~~minimize disease and soil borne pathogens while~~ elevate the numbers of beneficial species. ~~In numerous replicated studies, the ingredients in IgniteS2 have demonstrated the ability to significantly lower several groups of deleterious and disease causing microbes in a variety of soil types.~~

~~The above chart demonstrates the ability of the active ingredients in IgniteS2 to suppress soil borne pathogenic microbes in both low yielding and high yielding soils. This represents a 63% reduction in the low yielding soils and 92% reduction in high yielding soils.~~

~~On-Farm Research conducted in Florida.~~ Research by EMSL Labs, New York, NY, verified IgniteS² was able to stimulate microbial activity by 5,000% within 24 hours of application.

Page 9 Text

[see chart p 7] "5000% increase"

BENEFITS AT A GLANCE

- ~~— Improves soil structure; tilth, porosity, and friability.~~
- ~~Assists in~~ Supports plant growth and development from seed germination and early plant growth through harvest, and from root to tip.
- ~~Improves development of root systems.~~ Significantly improves return on investment.
- Improves the availability of resident soil minerals and fertilizer materials.
- Improves crop quality and yields.
- Improves ~~natural resistance to pests and drought.~~ soil structure; tilth, porosity, and friability.
- ~~— Suppresses soil borne pathogens reducing the need for chemical pesticides and fungicides.~~
- Minimizes the impact of pH extremes.
- Improves water management within the soil.
- Aids in the detoxification of pollutants (chemical residues, salts).

Page 10 Text 8

Research Results

~~11.3 bushels / acre increase in corn. (Molybdenum is essential for nitrogen fixation in all legumes.~~

~~When applied at 16oz / per acre in furrow, at planting)~~

~~Irrigation Research Foundation, Yuma, Colorado, 2011. IgniteS2 significantly increases root growth and~~
~~2, which contains Molybdenum in chelated form, allows soybeans to reach their full potential by supporting maximum~~
~~nitrogen nodulation.~~

~~[Image: Nodulation on soybeans, when applied at 16oz/acre in furrow, at planting. [root image captions] IgniteS² Vs control]~~

~~— No Treatment~~

~~— 16 oz IgniteS2 In Furrow~~

~~211% increase~~
~~increase in nodule Count~~
~~Nodule Count (see chart)~~

~~— Control~~

~~— 16oz IgniteS2~~

~~57% increase~~
~~increase in nodule weight~~
~~Nodule Weight (see chart)~~

~~— Control~~

~~— 16oz IgniteS2~~

~~Research by University of Arkansas, 2011, 2011~~

Page 11 Text 9

Corn Research

USDA & University of Missouri. Roundup Ready™ Corn Research.

{chart 1}

~~The active ingredients in IgniteS2 lowered levels of Fusarium colonization by an average 48% in corn.~~

~~Fusarium colonization is an indicator of the potential fungal infection of roots, which can lead to disease.~~

~~— Control~~

~~— 16oz IgniteS2~~

~~Fungal Colonies / 100cm of Root~~

~~Replicated Research, Two Year Average.~~

11.3 Bushel / Acre Increase in Yields

When applied at 16oz/acre in furrow, at planting.

Irrigation Research Foundation, Yuma, CO, 2011

[see chart [2p 9](#)]

Supporting Plant Health

~~The active ingredients in~~ IgniteS² treated plots showed increased levels of Mn- reducing bacteria by an average 214% in corn.

Mn reducing bacteria transform manganese to a plant available form.

— Control

— 16oz IgniteS²

cfu / gram x 10,000

USDA & University of Missouri. Roundup Ready™ Corn Research.

Replicated Research, Two Year Average.

[see chart [3p 9](#)]

~~The active ingredients in~~ IgniteS² treated plots showed increased levels of Fluorescent Pseudomonad Bacteria by an average 80% in corn.

Fluorescent Pseudomonad Bacteria are generally associated with beneficial effects of the rhizosphere bacterial community, including aiding in the suppression of fungal pathogens in the rhizosphere.

— Control

— 16oz IgniteS²

cfu / gram x 10,000

USDA & University of Missouri. Roundup Ready™ Corn Research.

Replicated Research, Two Year Average.

[see chart [p 9](#)]

Soybean Research

6.6 Bushel / Acre Increase in Yields

When applied at 16oz/acre in furrow, 2x2,

Irrigation Research Foundation, Yuma, CO, 2012

[see chart [p 9](#)]

Supporting Plant Health

IgniteS² treated plots showed increased levels of Mn reducing bacteria by an average 89% in soybeans.
Mn reducing bacteria transform manganese to a plant available form.

USDA & University of Missouri. Roundup Ready™ Soybean Research.

[chart 1]

~~The active ingredients in IgniteS2 lowered levels of Fusarium colonization by an average 59% in soybeans.~~

~~Fusarium colonization is an indicator of the potential fungal infection of roots, which can lead to disease.~~

— Control
— 16oz IgniteS2
Fungal Colonies / 100cm of Root

Replicated Research, Three Year 5 Study Average.

[chart 2]

~~The active ingredients in IgniteS2 increased Mn reducing bacteria levels by an average 89% in soybeans.~~

~~Mn reducing bacteria transform manganese to a plant available form.~~

— Control
— 16oz IgniteS2
cfu / gram x 10,000

Replicated Research, Two Year 3 Study Average.

[see chart ~~3~~ p 9]

~~The active ingredients in~~ IgniteS2 treated plots showed increased levels of Fluorescent Pseudomonad Bacteria ~~levels~~ by an average 256% in soybeans.

Fluorescent Pseudomonad Bacteria are generally associated with beneficial effects of the rhizosphere bacterial community, ~~including aiding in the suppression of fungal pathogens in the rhizosphere.~~

— Control
— 16oz IgniteS2
cfu / gram x 10,000

USDA & University of Missouri. Roundup Ready™ Soybean Research.

Replicated Research, Two Year Average.

[see chart p 9]

~~APPLICATION DIRECTIONS~~

Application Directions

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- 275 gallon totes

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- field crops
- fruit crops
- vegetable crops

IgniteS² ~~is a first line of defense to protect your crops and~~ can take your yields and profits to the next level. To maximize yields, support overall plant health, and boost profits even further, continue treating established crops with FoliarBlend® by Agri-Gro®. Please contact your local distributor or visit us online at www.agrigro.com to learn more about FoliarBlend® and the other fine products offered by Agri-Gro Marketing, Inc.

www.igniteS2.com

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Document comparison by Workshare Compare on Tuesday, July 02, 2013 1:23:17 PM

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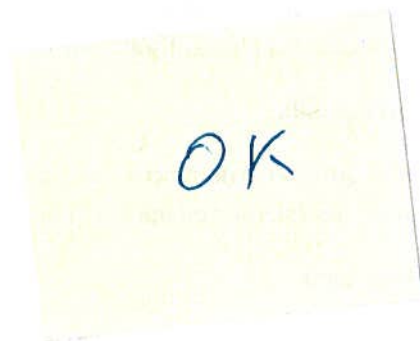
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Home Page Text

Slideshow Captions

- liquid nutritional supplements for agricultural and horticultural use
- IgniteS² soil and starter supplement.
- Agri-Gro Marketing, Inc. products are 100% environmentally safe.
- An alternative solution to lime applications.
- Healthier soils, stronger plants, higher yields.



3 Intro Boxes

Who We Are

Agri-Gro Marketing, Inc. is a producer of nutritional supplement technology for agricultural and horticultural use. Through the use of our products, producers around the globe are growing higher quality, better yielding crops while lowering production costs.

Read More

Product Research

Visit our product research section for test results from studies performed by various growers and state universities on FoliarBlend nutritional supplement, IgniteS² soil and starter supplement, and Agri-Cal liquid calcium.

Product Spotlight

IgniteS² is formulated to get your crops out of the gate early before lack of nutrition and resulting stress can rob them of the development, health, and yield they were designed to produce.

[Product Overview \(home and products index page\)](#)

FoliarBlend

FoliarBlend is designed to keep plants and soil "spiked up" with the nutritional supplements required to maximize yield and support plant health.

More Information

IgniteS²

IgniteS² is formulated to get your crops out of the gate early before lack of nutrition and resulting stress can rob them of the development, health, and yield they were designed to produce.

Agri-Cal

Agri-Cal is a calcium saturated chelating agent that provides growers with an alternative solution to liming. It is 100% water soluble and immediately available to growing plants.

Bountiful Harvest

Whether you're a "Master Gardener" or just have a few house plants, the Bountiful Harvest line provides plant nutritional supplement solutions for everything you grow.

Turf Formula

Turf Formula nutrient activator is designed to boost overall plant growth, including roots, as well as provide the maximum release and uptake of nutrients in the soil for turf grass production.

Nutri-Zyme

Nutri-Zyme is a nutritional supplement that can be delivered through water and feed for use in the production of Poultry, Swine, Cattle and Horses, throughout all stages of life.

Indigo

Indigo is a "Natural Solution" to wastewater treatment and odor control for the treatment of municipal, industrial, agricultural, residential and recreational wastewater.

Sidebar

Latest News

Global Presence

Home Page Text

Slideshow Captions

- ~~Liquid bio-stimulants~~ [liquid nutritional supplements](#) for agricultural and horticultural use.
- IgniteS² soil and starter supplement.
- Agri-Gro Marketing, Inc. products are 100% environmentally safe.
- An alternative solution to lime applications.
- Healthier soils, stronger plants, higher yields.

3 Intro Boxes

Who We Are

Agri-Gro Marketing, Inc. is a producer of ~~innovative bio-stimulant~~ [nutritional supplement](#) technology for agricultural and horticultural use. Through the use of our products, producers around the globe are growing higher quality, better yielding crops while lowering production costs.

Read More

Grower Testimonials

~~"We first tested Agri-Gro in 1986, and in 1988 put every acre on the program. Our rice and soybean yields have increased with less input costs. We have been able to reduce nitrogen rates by 1/3 in rice production...."~~

Product Research

Visit our product research section for test results from studies performed by various growers and state universities on FoliarBlend nutritional supplement, IgniteS² soil and starter supplement, and Agri-Cal liquid calcium.

Product Spotlight

IgniteS² is ~~a soil and starter supplement~~ formulated to get your crops out of the gate early before ~~stress and~~ lack of nutrition [and resulting stress](#) can rob them of the development, health, and yield they were designed to produce.

[Product Overview \(home and products index page\)](#)

FoliarBlend

FoliarBlend is ~~a bio-stimulant~~ designed to keep plants and soil "spiked up" with the ~~nutrition and growth~~ [nutritional](#) supplements required to maximize yield and ~~minimize~~ [support](#) plant ~~stress-~~ [health](#).

More Information

IgniteS²

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Agri-Cal

Agri-Cal is a calcium saturated chelating agent that provides growers with an alternative solution to liming. It is 100% water soluble and immediately available to growing plants.

Agri-Gro

~~Agri-Gro is a natural bio-stimulant and soil fertility booster that has been improving the yields and soil health of producers worldwide for over 30 years.~~

Bountiful Harvest

Whether you're a "Master Gardener" or just have a few house plants, the Bountiful Harvest line provides ~~bio-stimulant~~ [plant nutritional supplement](#) solutions for everything you grow.

Turf Formula

Turf Formula ~~bio-stimulant~~ nutrient activator is designed to boost [overall](#) plant ~~and root~~ growth, [including roots](#), as well as provide the maximum release and uptake of nutrients in the soil for turf grass production.

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Sidebar

Latest News

Global Presence

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Who We Are Page Text

Content

Who We Are

For over 30 years, Agri-Gro Marketing, Inc., has established a tradition of excellence, manufacturing an ever-increasing line of innovative products that offer unmatched value for the global marketplace. Over that time, we have become a leader in the field of nutritional supplement technology for agricultural and horticultural use. Through the use of innovative products like IgniteS2®, Agri-Cal® and FoliarBlend®, producers around the globe are growing higher quality, better yielding crops while lowering their production costs and dependence on chemical inputs.

Over the years our products have been researched by the United States Department of Agriculture and numerous state universities to perform as claimed. Simply stated, our technology is designed to deliver what conventional N-P-K fertilizer, physical tillage and the best seed genetics alone cannot.

Our products are environmentally safe, non-toxic, non-carcinogenic and contain no pathogenic micro organisms. They are very user friendly, have a long, stable shelf life and excellent storage characteristics.

At Agri-Gro Marketing, Inc., we continue to seek ways of improving our existing formulations along with the development of new, environmentally sound technologies that improve the world we live in. We invite you to explore our website to learn more about our company and the products that we offer.

> Learn More about Our Products

Sidebar

Learn More

- Our Mission
- Global Distribution

Who We Are Page Text

Content

Who We Are

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Over the years our products have been researched by the United States Department of Agriculture and numerous state universities to perform as claimed. Simply stated, our technology is designed to deliver what [conventional N-P-K](#) fertilizer, physical tillage and the best seed genetics alone cannot.

~~Many of our formulations stem from a unique and proprietary process that allows us to extract and multiply beneficial plant and soil compounds from selected, naturally occurring bacteria and fungi species.~~

Our products are environmentally safe, non-toxic, non-carcinogenic and contain no pathogenic micro organisms. They are very user friendly, have a long, stable shelf life and excellent storage characteristics.

At Agri-Gro Marketing, Inc., we continue to seek ways of improving our existing formulations along with the development of new, environmentally sound technologies that improve the world we live in. We invite you to explore our website to learn more about our company and the products that we offer.

[> Learn More about Our Products](#)

Sidebar

Learn More

- Our Mission
- Global Distribution

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Site Template Text

Navigation (Footer & Header)

- Home
- Who We Are
 - Our Mission
 - Global Distribution
- Products
 - FoliarBlend Nutritional Supplement
 - IgniteS² Soil & Starter Supplement
 - Agri-Cal Liquid Calcium
 - Turf Formula Nutritional Supplement
 - Bountiful Harvest Nutritional Supplement
 - Nutri-Zyme Water & Feed Additive
 - Indigo Wastewater Treatment
- News
- Resources
 - Customer Resources
 - FAQ's
 - Dealer Locator
 - Dealer Resources
 - Request Access / Log In
 - Dealer Dashboard
- Contact Us
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Logo

Agri-Gro Marketing, Inc.

Technology for a Growing World

Site Template Text

Navigation (Footer & Header)

- Home
- Who We Are
 - Our Mission
 - Global Distribution
- Products
 - ~~Agri-Gro Bio-Stimulant~~
 - FoliarBlend ~~Bio-Stimulant~~ [Nutritional Supplement](#)
 - IgniteS² Soil & Starter Supplement
 - Agri-Cal Liquid Calcium
 - Turf Formula ~~Bio-Stimulant~~ [Nutritional Supplement](#)
 - Bountiful Harvest ~~Bio-Stimulant~~ [Nutritional Supplement](#)
 - Nutri-Zyme Water & Feed Additive
 - Indigo Wastewater Treatment
- News
- Resources
 - Customer Resources
 - FAQ's
 - Dealer Locator
 - Dealer Resources
 - Request Access / Log In
 - Dealer Dashboard
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Logo

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Technology for a Growing World

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Content

BRANDS: PRODUCT OVERVIEW

FoliarBlend

FoliarBlend is designed to keep plants and soil “spiked up” with the nutritional supplements required to maximize yield and support plant health.

More Information

IgniteS²

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Whether you're a "Master Gardener" or just have a few house plants, the Bountiful Harvest line provides plant nutritional supplement solutions for everything you grow.

Turf Formula

Turf Formula nutrient activator is designed to boost overall plant growth, including roots, as well as provide the maximum release and uptake of nutrients in the soil for turf grass production.

Nutri-Zyme

Nutri-Zyme is a nutritional supplement that can be delivered through water and feed for use in the production of Poultry, Swine, Cattle and Horses, throughout all stages of life.

Indigo

Indigo is a “Natural Solution” to wastewater treatment and odor control for the treatment of municipal, industrial, agricultural, residential and recreational wastewater.

Content

BRANDS: PRODUCT OVERVIEW

FoliarBlend

FoliarBlend is ~~a bio-stimulant~~ designed to keep plants and soil "spiked up" with the ~~nutrition and growth~~ [nutritional](#) supplements required to maximize yield and ~~minimize~~ [support](#) plant ~~stress~~ [health](#).

More ~~Info...~~ [Information](#)

IgniteS²

IgniteS² is ~~a soil and started supplement~~ formulated to get your crops out of the gate early before ~~stress and~~ lack of nutrition [and resulting stress](#) can rob them of the development, health, and yield they were designed to produce.

Agri-Cal

Agri-Cal is a calcium saturated chelating agent that provides growers with an alternative solution to liming. It is 100% water soluble and immediately available to growing plants.

Agri-Gro

~~Agri-Gro is a natural bio-stimulant and soil fertility booster that has been improving the yields and soil health of producers worldwide for over 30 years.~~

Bountiful Harvest

Whether you're a "Master Gardener" or just have a few house plants, the Bountiful Harvest line provides ~~bio-stimulant~~ [plant nutritional supplement](#) solutions for everything you grow.

Turf Formula

Turf Formula ~~bio-stimulant~~ nutrient activator is designed to boost [overall](#) plant ~~and root~~ growth, [including roots](#), as well as provide the maximum release and uptake of nutrients in the soil for turf grass production.

Nutri-Zyme

Nutri-Zyme is a nutritional supplement that can be delivered through water and feed for use in the production of Poultry, Swine, Cattle and Horses, throughout all stages of life.

Indigo

Indigo is a "Natural Solution" to wastewater treatment and odor control for the treatment of municipal, industrial, agricultural, residential and recreational wastewater.

DISCLOSURE: ~~FoliarBlend®, IgniteS²®, Agri-Cal®, Agri-Gro®, Bountiful Harvest®, Turf Formula®, Nutri-Zyme®, and Indigo® are all nutritional supplements to the soil and plant. They are NOT a pesticide, fungicide or insecticide and are not intended to replace the role of such inputs by any grower who uses such products. Any~~
SLC-6959520-1A2

~~statements or reports contained herein regarding these product's benefits or mode of action are the result of a nutritional response by the plant from the soil ecosystem.~~

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Input:	
Document 1 ID	PowerDocs://SLC/6959520/1A
Description	SLC-#6959520-v1A-Agri_Gro_Product_Overview
Document 2 ID	PowerDocs://SLC/6959520/2
Description	SLC-#6959520-v2-Agri_Gro_Product_Overview
Rendering set	Standard

Legend:	
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Statistics:	
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Moved to	0
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Format changed	0
Total changes	30

Application Guide

Front Cover

Agri-Gro Marketing Inc.

Product Application Guide

Included in this Guide:

- FoliarBlend
- IgniteS2
- Agri-Cal

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Product Overview

FoliarBlend is a nutritional plant supplement designed to keep plants and soil “spiked up” with the nutritional supplements required to maximize yield and support plant health.

IgniteS2 is a soil and starter supplement formulated to get your crops out of the gate early before lack of nutrition and resulting stress can rob them of the development, health, and yield they were designed to produce.

Agri-Cal is a calcium saturated chelating agent that provides growers with an alternative solution to liming. It is 100% water soluble and immediately available to growing plants.

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HOW TO USE FOLIARBLEND AND IGNITES²

FoliarBlend and IgniteS2 may be applied to the soil, seed, and plant foliage. Total applications of 32–48 oz. / acre are typical for field crops with 16 oz. / acre of IgniteS2 (or FoliarBlend) applied broadcast or in furrow at planting, followed by one to two applications of FoliarBlend applied to plant foliage at 16 oz. / acre each. If only one foliar application is made, rates up to 32 oz. / acre may be used.

FoliarBlend and IgniteS2 can be applied through standard ground or aerial application equipment and properly equipped irrigation systems. FoliarBlend and IgniteS2 are available in 2.5 gallon containers, 55 gallon drums, 275 gallon mini-totes or bulk tanker load quantities.

FoliarBlend and IgniteS2 are formulated for use on ALL crops.

AS WITH ANY AGRI-CHEMICAL, DO A COMPATIBILITY CHECK TO INSURE PROPER MIXING.

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Field Crop Usage

The applications listed may be applied in conjunction with corresponding conventional liquid fertilizer, herbicide, fungicide or insecticide applications.

DIRECTIONS FOR USE: FoliarBlend and IgniteS² may be applied by ground, air, or through properly equipped irrigation and fertigation systems. If applied by air it is recommended to use 5-10 gallons of water per acre. If applied by ground it is recommended to use 10–20 gallons of water per acre.

COMPATIBILITY: FoliarBlend and IgniteS² are stable products with excellent tank mixing characteristics. They can be applied in conjunction with most herbicides, insecticides, fungicides and foliar fertilizers. A jar test is recommended prior to tank mixing. Test results have shown that FoliarBlend and IgniteS² can stimulate higher yields through increased nutrient uptake. Neither products are a replacement for conventional fertilizer. Soil sample regularly and use FoliarBlend and IgniteS² in conjunction with good fertility practices.

WHEAT & OTHER SMALL GRAINS

- Apply IgniteS² (or FoliarBlend) as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 8 oz. per bushel. Then let dry or make an in furrow application at planting of 16 oz. per acre. If an in furrow or seed treatment is not possible, soil apply 16–32 oz. per acre with preplant or preemerge chemicals.
- Apply 16–24 oz. per acre of FoliarBlend prior to jointing.
- Apply 16–24 oz. per acre of FoliarBlend at the flag leaf stage. (If Step 1 is missed, apply 32 oz. per acre of FoliarBlend at the flag leaf stage.)

COTTON

- Make an in furrow application of **IgniteS²** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16–32 oz. per acre with preplant or preemerge chemicals.
- Apply 16 oz. per acre of **FoliarBlend** at the 3–7 leaf stage.
- Apply 16 oz. per acre of **FoliarBlend** at pinhead square stage.
- Apply 16 oz. per acre of **FoliarBlend** at early bloom.

TOBACCO

- Apply 16 oz. of **IgniteS²** (or **FoliarBlend**) per 100 gallons of setting water.
- Apply 16–32 oz. per acre of **FoliarBlend** with preplant herbicide.
- Apply 16 oz. per acre of **FoliarBlend** with each foliar spray made with liquid fertilizer or insecticide.

SOYBEANS

- Make an in furrow application of **IgniteS²** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16–32 oz. per acre of **IgniteS²** (or **FoliarBlend**) with preplant or preemerge chemicals.
- Apply 16–32 oz. per acre of **FoliarBlend** at the 3-5 trifoliolate leaf stage.
- Apply a second application of 16–32 oz. per acre of **FoliarBlend** between pre-bloom and pod set. (If Step 1 is missed, apply 32 oz. per acre of **FoliarBlend** prior to bloom.)

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CORN AND GRAIN SORGHUM

- Apply **IgniteS²** (or **FoliarBlend**) as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 6-8 oz. per 50 lb bag. Then let dry or make an in furrow application at planting of 16 oz. per acre. If an in furrow or seed treatment is not possible, soil apply 16–32 oz. per acre of **IgniteS²** (or **FoliarBlend**) with preplant or preemerge chemicals.
- Apply 16–24 oz. per acre of **FoliarBlend** at the 3-5 leaf stage.
- Apply 16–24 oz. per acre of **FoliarBlend** anytime from pre- tassel to just after pollination has completed.

RICE

- Apply **IgniteS²** (or **FoliarBlend**) as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 8 oz. per bushel. Then let dry or make an in furrow application at planting of 16 oz. per acre. If an in furrow or seed treatment is not possible, soil apply 16–32 oz. per acre with preplant or preemerge chemicals.

- Apply 16–32 oz. per acre of **FoliarBlend** when the rice seedling has 3 fully emerged leaves but before the seedling has completed development of 7 leaves or 3 tillers. (*continued...*)
- To boost yields, apply **FoliarBlend** at the rate of 16–32 oz. per acre immediately after internode elongation or joint movement has begun.

SUNFLOWERS AND OILSEEDS

- Make an in furrow application of **IgniteS²** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16–32 oz. per acre with preplant or preemerge chemicals.
- Apply 16 oz. per acre of **FoliarBlend** at 4–8 inches in growth.
- Apply 16 oz. per acre of **FoliarBlend** at flowering stage.

PEANUTS

- Make an in furrow application of **IgniteS²** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16–32 oz. per acre with preplant or preemerge chemicals.
- Apply 16 oz. per acre of **FoliarBlend** at the 3–5 leaflet stage.
- Apply 16 oz. per acre of **FoliarBlend** at initial pegging.
- Apply 16 oz. per acre of **FoliarBlend** 10–14 days after the second foliar application.
- Apply 16 oz. per acre of **FoliarBlend** during pod fill.

ALFALFA, HAY AND FORAGE CROPS

- Apply **IgniteS²** (or **FoliarBlend**) as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 8 oz. per 50 lb bag. Then let dry or make an in furrow application at planting of 16 oz. per acre. If an in furrow or seed treatment is not possible, soil apply 16–32 oz. per acre broadcast with preplant or preemerge chemicals.
- Apply 16–32 oz. per acre of **FoliarBlend** in the spring as soon as growth begins and continue applying 16 oz. per acre 7–10 days after each cutting or heavy pasturing.

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Vegetable Usage

The applications listed may be applied in conjunction with corresponding conventional liquid fertilizer, herbicide, fungicide or insecticide applications.

DIRECTIONS FOR USE: **FoliarBlend** and **IgniteS²** may be applied by ground, air, or through properly equipped irrigation and fertigation systems. If applied by air it is recommended to use 5–10 gallons of water per acre. If applied by ground it is recommended to use 10–20 gallons of water per acre.

COMPATIBILITY: **FoliarBlend** and **IgniteS²** are stable products with excellent tank mixing characteristics.

They can be applied in conjunction with most herbicides, insecticides, fungicides and foliar fertilizers. A jar test is recommended prior to tank mixing. Test results have shown that **FoliarBlend** and **IgniteS²** can stimulate higher yields through increased nutrient uptake. Neither products are a replacement for conventional fertilizer. Soil sample regularly and use **FoliarBlend** and **IgniteS²** in conjunction with good fertility practices.

EDIBLE BEANS -- GREEN, LIMA, DRY, SNAP, PINTOS, BLACK TURTLES, MARROWFATS, GREAT NORTHERN, NAVY, YELLOW EYES, KIDNEY, GARBANZO & SEED

- Make an in furrow application of **IgniteS²** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16–32 oz. per acre with preplant or preemerge chemicals.
- Apply 16–32 oz. per acre of **FoliarBlend** when the first trifoliate is unfolded.
- Apply 16–32 oz. per acre of **FoliarBlend** 2 weeks after Step 1.
- Apply 16–32 oz. per acre of **FoliarBlend** at first bloom.

CARROTS, ONIONS, LEEKS, RADISH SUGARBEETS, PARSNIP, RUTABAGA & TURNIPS

- Make an in furrow application of **IgniteS²** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16–32 oz. per acre with preplant or preemerge chemicals.
- Apply 16-32 oz. per acre of **FoliarBlend** at 3-4 inches in growth.
- Apply 16-32 oz. per acre of **FoliarBlend** 2–3 weeks after Step 1.
- Apply 16-32 oz. per acre of **FoliarBlend** 2-3 weeks after Step 2.

BROCCOLI, CAULIFLOWER, CABBAGE, LETTUCE & SPINACH

- Make an in furrow application of **IgniteS²** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16–32 oz. per acre with preplant or preemerge chemicals.
- Apply 16-32 oz. per acre of **FoliarBlend** when 4–6 true leaves are formed.
- Apply 16-32 oz. per acre of **FoliarBlend** 2 weeks after Step 1.
- Apply 16-32 oz. per acre of **FoliarBlend** 2 weeks after Step 2.

NOTE: To maximize yields, make continuous applications of 16 ozs. per acre of FoliarBlend at 7–10 day intervals after the first application throughout the growing season.

CANTALOUPE, PUMPKINS, WATERMELON, HONEYDEW, CUCUMBER AND SQUASH

- Make an in furrow application of **IgniteS²** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16–32 oz. per acre with preplant or preemergence chemicals.
- Apply 16-32 oz. per acre of **FoliarBlend** when the 3rd leaf begins to unfold.
- Apply 16-32 oz. per acre of **FoliarBlend** 2–3 weeks after Step 1.
- Apply 16-32 oz. per acre of **FoliarBlend** 2–3 weeks after Step 2.

*NOTE: To maximize yields, make continuous applications of 12–16 ozs. per acre of **FoliarBlend** at 7–10 day intervals after the first application throughout the growing season.*

PEPPER, TOMATO, EGGPLANT & OKRA

- Make an in furrow application of **IgniteS²** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16–32 oz. per acre with preplant or preemergence chemicals.
- Apply 16-32 oz. per acre of **FoliarBlend** when the plant has 3–4 true leaves.
- Apply 16-32 oz. per acre of **FoliarBlend** at first bloom.
- Apply 16-32 oz. per acre of **FoliarBlend** at first fruit set. (*continued...*)

*NOTE: To maximize yields, make continuous applications of 12–16 ozs. per acre of **FoliarBlend** at 7–10 day intervals after the first application throughout the growing season.*

SWEET CORN AND POPCORN

- Apply **IgniteS²** (or **FoliarBlend**) as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 6-8 oz. per 50 lb bag. Then let dry or make an in furrow application at planting of 16 oz. per acre. If an in furrow or seed treatment is not possible, soil apply 16–32 oz. per acre of **IgniteS²** (or **FoliarBlend**) with preplant or preemergence chemicals.
- Apply 16-32 oz. per acre of **FoliarBlend** when plants are in the 4–6 leaf stage.
- Apply 16-32 oz. per acre of **FoliarBlend** at the 8–10 leaf state.

POTATOES

- Make an in furrow application of **IgniteS²** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16–32 oz. per acre with preplant or preemergence chemicals.
- Apply 16-32 oz. per acre of **FoliarBlend** at tuber initiation (approx. 4–6 weeks after emergence.)
- Apply 16-32 oz. per acre of **FoliarBlend** at pre-bloom stage.
- Apply 16-32 oz. per acre of **FoliarBlend** during bloom.

SWEET POTATO

- Treat slips prior to transplanting with a 2% solution of **IgniteS²** (or **FoliarBlend**).
- Apply 16–32 oz. per acre of **IgniteS²** (or **FoliarBlend**) to beds prior to or during transplanting.
- Apply 16-32 oz. per acre of **FoliarBlend** after 3rd new leaf.

- Apply 16-32 oz. per acre of **FoliarBlend** at pre-bloom stage.
- Apply 16-32 oz. per acre of **FoliarBlend** during bloom.

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Fruit and Nuts Usage

The applications listed may be applied in conjunction with corresponding conventional liquid fertilizer, herbicide, fungicide or insecticide applications.

DIRECTIONS FOR USE: **FoliarBlend** and **IgniteS²** may be applied by ground, air, or through properly equipped irrigation and fertigation systems. If applied by air it is recommended to use 5-10 gallons of water per acre. If applied by ground it is recommended to use 10-20 gallons of water per acre.

COMPATIBILITY: **FoliarBlend** and **IgniteS²** are stable products with excellent tank mixing characteristics. They can be applied in conjunction with most herbicides, insecticides, fungicides and foliar fertilizers. A jar test is recommended prior to tank mixing. Test results have shown that **FoliarBlend** and **IgniteS²** can stimulate higher yields through increased nutrient uptake. Neither products are a replacement for conventional fertilizer. Soil sample regularly and use **FoliarBlend** and **IgniteS²** in conjunction with good fertility practices.

STRAWBERRIES

- Apply 24-32 oz. per acre of **FoliarBlend** as soon as there is sufficient foliage to absorb spray.
- Apply 24-32 oz. per acre of **FoliarBlend** at first bloom stage.
- Apply 24-32 oz. per acre of **FoliarBlend** at fruit set.

NOTE: Sprays can continue every 14 days through harvest.

BERRY BUSHES

Apply 16-32 oz. per acre of **FoliarBlend** at leaf initiation.

- Apply 16-32 oz. per acre of **FoliarBlend** at early bloom stage.
- Apply 16-32 oz. per acre of **FoliarBlend** at late petal fall.
- Apply 16-32 oz. per acre of **FoliarBlend** at fruit set.

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ALMONDS, PECANS & WALNUTS

- Apply 16-32 oz. per acre of **FoliarBlend** at early bloom.
- Apply 16-32 oz. per acre of **FoliarBlend** every 4-6 weeks until after nut fill.

CITRUS & AVOCADOS

- Apply 16–32 oz. per acre of **FoliarBlend** pre-bloom.
- Apply 16–32 oz. per acre of **FoliarBlend** at full bloom – 2/3 petal fall.
- Apply 16–32 oz. per acre of **FoliarBlend** when fruit is approximately 1/2 inch in diameter.

PEACHES, NECTARINES, APRICOTS & CHERRIES

- Apply 16–32 oz. per acre of **FoliarBlend** at pre- to early bloom stage.
- Apply 16–32 oz. per acre of **FoliarBlend** at petal fall.
- Apply 16–32 oz. per acre of **FoliarBlend** at young fruit stage.

PLUMS & PRUNES

- Apply 16–32 oz. per acre of **FoliarBlend** at white bud stage.
- Apply 16–32 oz. per acre of **FoliarBlend** at early bloom.
- Apply 16–32 oz. per acre of **FoliarBlend** at petal fall.
- Apply 16–32 oz. per acre of **FoliarBlend** at fruit set.

APPLES & PEARS

- Apply 16–32 oz. per acre of **FoliarBlend** at green growth (tight cluster) stage.
- Apply 16–32 oz. per acre of **FoliarBlend** at pre-bloom stage.
- Apply 16–32 oz. per acre of **FoliarBlend** at half bloom stage.
- Apply 16–32 oz. per acre of **FoliarBlend** at 3/4 petal fall.
- Apply 16–32 oz. per acre of **FoliarBlend** at young fruit stage.

DATES, FIGS, OLIVES, PERSIMMONS & POMEGRANATES

- Apply 16–32 oz. per acre of **FoliarBlend** during pink bud stage.
- Apply 16–32 oz. per acre of **FoliarBlend** every 2–3 weeks up to harvest.

WINE, TABLE GRAPES & KIWIFRUIT

- Apply 16–32 oz. per acre of **FoliarBlend** at the start of spring growth.
- Apply 16–32 oz. per acre of **FoliarBlend** at pre-bloom stage.
- Apply 16–32 oz. per acre of **FoliarBlend** at fruit set.

HOW TO USE IGNITES2 FOR RESIDUE MANAGEMENT

You will be ahead of the game next year by applying IgniteS2 to crop stubble this fall. IgniteS2 will stimulate an explosion of microbial life in the soil, which in turn, significantly speeds up the decomposition of the crop residue. This increases the amount of available nutrients for next year's crop and also adds valuable organic matter to the soil.

Apply IgniteS2 to Help Convert Any Type of Residue to Humus:

- As soon as possible after harvest, apply 1-2 pints of IgniteS2 per acre to speed up stalk digestion. (Any required Agri-Cal™ liquid calcium can also be applied at this time.) Microbes can quickly colonize the more easily digestible inner stalk material. As the fungi, bacteria and actinomycetes multiply, they gradually attack the tough inner cellulose and lignin of the stalk rind. Soil organisms first consume sugars and amino acids in the stalk. Fueled with that energy, they devour starches, proteins, and cellulose. The tough, complex lignin is the last component they attack.
- Mix residue into the aerobic zone of your soil. If you have a no-till environment, make sure residue is shredded and spread evenly on the soil with 1-2 pints of IgniteS2 sprayed over the top. Under no-till circumstances, fungi typically do more of the digestive work. They look for food above the surface and can thrive on nutrients with a fairly low ratio of nitrogen to carbon. One visible clue to active biological breakdown is the webs of actinomycetes colonizing the residue. These organisms wrap around stalks and nothing washes them off. That rich, earthy odor is another clue that actinomycetes are active.

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How To Use Agri-Cal

Agri-Cal® liquid calcium can be applied with standard sprayer equipment. No special nozzles or handling equipment is required. It can be adapted to a variety of farming systems and herbicide applications eliminating those extra trips across the field.

One of the most beneficial ways of applying the product also saves on nitrogen costs. When Agri-Cal® is added to liquid nitrogen a stabilizing effect occurs. Many growers have been able to reduce their nitrogen rates substantially while still seeing a boost in yields.

Agri-Cal® can be applied through conventional ground equipment, aerial application, or through properly equipped irrigation systems.

Agri-Cal® can be tank mixed with most soil applied herbicides and liquid fertilizer solutions that do not contain phosphorus. No extra trips across the field are generally needed.

Agri-Cal® is formulated for use on ALL crops.

IMPORTANT: To avoid the formation of insoluble precipitates, do NOT mix with materials containing Phosphates or Sulfates. Do NOT mix with any Round-Up® type herbicides (Glyphosate based).

General Recommendations

- Soil: 2-5 gallons per acre
- Foliar: 1-3 gallons per acre
- Liquid Nitrogen Solutions: Agri-Cal® should be used at 2-5 gallons per acre with all Liquid N applications.

For every 5% the calcium base saturation percentage is low according to soil report, add 1 gallon / acre of Agri-Cal.

Back Cover

Agri-Gro Marketing, Inc®, Agri-Cal®, Foliar Blend by Agri-Gro®, IgniteS2® and

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Application Guide

Front Cover

Agri-Gro Marketing Inc.

Product Application Guide

Included in this Guide:

- FoliarBlend
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Product Overview

FoliarBlend is a ~~nutritional~~nutritional plant supplement designed to keep plants and soil “spiked up” with the ~~nutrition and growth~~nutritional supplements required to maximize yield and ~~minimize~~support plant ~~stress~~health.

IgniteS2 is a soil and starter supplement formulated to get your crops out of the gate early before ~~stress and~~ lack of nutrition and resulting stress can rob them of the development, health, and yield they were designed to produce.

Agri-Cal is a calcium saturated chelating agent that provides growers with an alternative solution to liming. It is 100% water soluble and immediately available to growing plants.

DISCLOSURE: FoliarBlend®, IgniteS2®, Agri-Cal®, Agri-Gro®, Bountiful Harvest®, Turf Formula®, Nutri-Zyme®, and Indigo® are all nutritional supplements to the soil and plant. They are NOT a pesticide,

~~fungicide or insecticide and are not intended to replace the role of such inputs by any grower who uses such products. Any statements or reports contained herein regarding these product's benefits or mode of action are the result of a nutritional response by the plant from the soil ecosystem.~~

Page 2

HOW TO USE FOLIARBLEND AND IGNITES²

FoliarBlend and IgniteS2 may be applied to the soil, seed, and plant foliage. Total applications of 32–48 oz. / acre are typical for field crops with 16 oz. / acre of IgniteS2 (or FoliarBlend) applied broadcast or in furrow at planting, followed by one to two applications of FoliarBlend applied to plant foliage at 16 oz. / acre each. If only one foliar application is made, rates up to 32 oz. / acre may be used.

FoliarBlend and IgniteS2 can be applied through standard ground or aerial application equipment and properly equipped irrigation systems. FoliarBlend and IgniteS2 are available in 2.5 gallon containers, 55 gallon drums, 275 gallon mini-totes or bulk tanker load quantities.

FoliarBlend and IgniteS2 are formulated for use on ALL crops.

AS WITH ANY AGRI-CHEMICAL, DO A COMPATIBILITY CHECK TO INSURE PROPER MIXING.

Page 3

Field Crop Usage

The applications listed may be applied in conjunction with corresponding conventional liquid fertilizer, herbicide, fungicide or insecticide applications.

~~Directions for Use~~ **DIRECTIONS FOR USE:** FoliarBlend and IgniteS² may be applied by ground, air, or through properly equipped irrigation and fertigation systems. If applied by air it is recommended to use 5-10 gallons of water per acre. If applied by ground it is recommended to use 10–20 gallons of water per acre. **Compatibility**

COMPATIBILITY: FoliarBlend and IgniteS² are stable products with excellent tank mixing characteristics. They can be applied in conjunction with most herbicides, insecticides, fungicides and foliar fertilizers. A jar test is recommended prior to tank mixing. Test results have shown that FoliarBlend and IgniteS² can stimulate higher yields through increased nutrient uptake, ~~larger root mass, earlier fruiting and increased fruit retention~~. Neither products are a replacement for conventional fertilizer. Soil sample regularly and use FoliarBlend and IgniteS² in conjunction with good fertility practices.

WHEAT & OTHER SMALL GRAINS

- Apply **IgniteS²** (or **FoliarBlend**) as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 8 oz. per bushel. Then let dry or make an in furrow application at planting of 16 oz. per acre. If an in furrow or seed treatment is not possible, soil apply 16–32 oz. per acre with preplant or preemergence chemicals.
- Apply 16–24 oz. per acre of **FoliarBlend** prior to jointing.
- Apply 16–24 oz. per acre of **FoliarBlend** at the flag leaf stage. (If Step 1 is missed, apply 32 oz. per acre of **FoliarBlend** at the flag leaf stage.)

COTTON

- Make an in furrow application of **IgniteS²** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16–32 oz. per acre with preplant or preemergence chemicals.
- Apply 16 oz. per acre of **FoliarBlend** at the 3–7 leaf stage.
- Apply 16 oz. per acre of **FoliarBlend** at pinhead square stage.
- Apply 16 oz. per acre of **FoliarBlend** at early bloom.

TOBACCO

- Apply 16 oz. of **IgniteS²** (or **FoliarBlend**) per 100 gallons of setting water.
- Apply 16–32 oz. per acre of **FoliarBlend** with preplant herbicide.
- Apply 16 oz. per acre of **FoliarBlend** with each foliar spray made with liquid fertilizer or insecticide.

SOYBEANS

- Make an in furrow application of **IgniteS²** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16–32 oz. per acre of **IgniteS²** (or **FoliarBlend**) with preplant or preemergence chemicals.
- Apply 16–32 oz. per acre of **FoliarBlend** at the 3-5 trifoliate leaf stage.
- Apply a second application of 16–32 oz. per acre of **FoliarBlend** ~~at~~ between pre-bloom ~~to~~ and pod set. (If Step 1 is missed, apply 32 oz. per acre of **FoliarBlend** prior to bloom.)

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CORN AND GRAIN SORGHUM

- Apply **IgniteS²** (or **FoliarBlend**) as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 6-8 oz. per 50 lb bag. Then let dry or make an in furrow application at planting of 16 oz. per acre. If an in furrow or seed treatment is not possible, soil apply 16–32 oz. per acre of **IgniteS²** (or **FoliarBlend**) with preplant or preemergence chemicals.

- Apply 16–24 oz. per acre of **FoliarBlend** at the 3-5 leaf stage.
- Apply 16–24 oz. per acre of **FoliarBlend** anytime from pre- tassel to just after pollination has completed.

RICE

- Apply **IgniteS²** (or **FoliarBlend**) as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 8 oz. per bushel. Then let dry or make an in furrow application at planting of 16 oz. per acre. If an in furrow or seed treatment is not possible, soil apply 16–32 oz. per acre with preplant or preemerge chemicals.
- Apply 16–32 oz. per acre of **FoliarBlend** when the rice seedling has 3 fully emerged leaves but before the seedling has completed development of 7 leaves or 3 tillers. (*continued...*)
- To boost yields ~~and stimulate cell differentiation~~, apply **FoliarBlend** at the rate of 16–32 oz. per acre immediately after internode elongation or joint movement has begun.

SUNFLOWERS AND OILSEEDS

- Make an in furrow application of **IgniteS²** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16–32 oz. per acre with preplant or preemerge chemicals.
- Apply 16 oz. per acre of **FoliarBlend** at 4–8 inches in growth.
- Apply 16 oz. per acre of **FoliarBlend** at flowering stage.

PEANUTS

- Make an in furrow application of **IgniteS²** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16–32 oz. per acre with preplant or preemerge chemicals.
- Apply 16 oz. per acre of **FoliarBlend** at the 3–5 leaflet stage.
- Apply 16 oz. per acre of **FoliarBlend** at initial pegging.
- Apply 16 oz. per acre of **FoliarBlend** 10–14 days after the second foliar application.
- Apply 16 oz. per acre of **FoliarBlend** during pod fill.

ALFALFA, HAY AND FORAGE CROPS

- Apply **IgniteS²** (or **FoliarBlend**) as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 8 oz. per 50 lb bag. Then let dry or make an in furrow application at planting of 16 oz. per acre. If an in furrow or seed treatment is not possible, soil apply 16–32 oz. per acre broadcast with preplant or preemerge chemicals.
- Apply 16–32 oz. per acre of **FoliarBlend** in the spring as soon as growth begins and continue applying 16 oz. per acre 7-10 days after each cutting or heavy pasturing.

Vegetable Usage

The applications listed may be applied in conjunction with corresponding conventional liquid fertilizer, herbicide, fungicide or insecticide applications.

Directions for Use DIRECTIONS FOR USE: **FoliarBlend** and **IgniteS²** may be applied by ground, air, or through properly equipped irrigation and fertigation systems. If applied by air it is recommended to use 5-10 gallons of water per acre. If applied by ground it is recommended to use 10–20 gallons of water per acre. **Compatibility**

COMPATIBILITY: **FoliarBlend** and **IgniteS²** are stable products with excellent tank mixing characteristics. They can be applied in conjunction with most herbicides, insecticides, fungicides and foliar fertilizers. A jar test is recommended prior to tank mixing. Test results have shown that **FoliarBlend** and **IgniteS²** can stimulate higher yields through increased nutrient uptake, ~~larger root mass, earlier fruiting and increased fruit retention~~. Neither products are a replacement for conventional fertilizer. Soil sample regularly and use **FoliarBlend** and **IgniteS²** in conjunction with good fertility practices.

EDIBLE BEANS -- GREEN, LIMA, DRY, SNAP, PINTOS, BLACK TURTLES, MARROWFATS, GREAT NORTHERN, NAVY, YELLOW EYES, KIDNEY, GARBANZO & SEED

- Make an in furrow application of **IgniteS²** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16–32 oz. per acre with preplant or preemergence chemicals.
- Apply 16–32 oz. per acre of **FoliarBlend** when the first trifoliolate is unfolded.
- Apply 16–32 oz. per acre of **FoliarBlend** 2 weeks after Step 1.
- Apply 16–32 oz. per acre of **FoliarBlend** at first bloom.

CARROTS, ONIONS, LEEKS, RADISH SUGARBEETS, PARSNIP, RUTABAGA & TURNIPS

- Make an in furrow application of **IgniteS²** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16–32 oz. per acre with preplant or preemergence chemicals.
- Apply 16-32 oz. per acre of **FoliarBlend** at 3-4 inches in growth.
- Apply 16-32 oz. per acre of **FoliarBlend** 2–3 weeks after Step 1.
- Apply 16-32 oz. per acre of **FoliarBlend** 2-3 weeks after Step 2.

BROCCOLI, CAULIFLOWER, CABBAGE, LETTUCE & SPINACH

- Make an in furrow application of **IgniteS²** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16–32 oz. per acre with preplant or preemergence chemicals.
- Apply 16-32 oz. per acre of **FoliarBlend** when 4–6 true leaves are formed.

- Apply 16-32 oz. per acre of **FoliarBlend** 2 weeks after Step 1.
- Apply 16-32 oz. per acre of **FoliarBlend** 2 weeks after Step 2.

NOTE: To maximize yields, make continuous applications of 16 ozs. per acre of FoliarBlend at 7–10 day intervals after the first application throughout the growing season.

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CANTALOUPE, PUMPKINS, WATERMELON, HONEYDEW, CUCUMBER AND SQUASH

- Make an in furrow application of **IgniteS²** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16–32 oz. per acre with preplant or preemerge chemicals.
- Apply 16-32 oz. per acre of **FoliarBlend** when the 3rd leaf begins to unfold.
- Apply 16-32 oz. per acre of **FoliarBlend** 2–3 weeks after Step 1.
- Apply 16-32 oz. per acre of **FoliarBlend** 2–3 weeks after Step 2.

NOTE: To maximize yields, make continuous applications of 12–16 ozs. per acre of FoliarBlend at 7–10 day intervals after the first application throughout the growing season.

PEPPER, TOMATO, EGGPLANT & OKRA

- Make an in furrow application of **IgniteS²** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16–32 oz. per acre with preplant or preemerge chemicals.
- Apply 16-32 oz. per acre of **FoliarBlend** when the plant has 3–4 true leaves.
- Apply 16-32 oz. per acre of **FoliarBlend** at first bloom.
- Apply 16-32 oz. per acre of **FoliarBlend** at first fruit set. (*continued...*)

NOTE: To maximize yields, make continuous applications of 12–16 ozs. per acre of FoliarBlend at 7–10 day intervals after the first application throughout the growing season.

SWEET CORN AND POPCORN

- Apply **IgniteS²** (or **FoliarBlend**) as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 6-8 oz. per 50 lb bag. Then let dry or make an in furrow application at planting of 16 oz. per acre. If an in furrow or seed treatment is not possible, soil apply 16–32 oz. per acre of **IgniteS²** (or **FoliarBlend**) with preplant or preemerge chemicals.
- Apply 16-32 oz. per acre of **FoliarBlend** when plants are in the 4–6 leaf stage.
- Apply 16-32 oz. per acre of **FoliarBlend** at the 8–10 leaf state.

POTATOES

- Make an in furrow application of **IgniteS²** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16–32 oz. per acre with preplant or preemerge chemicals.
- Apply 16–32 oz. per acre of **FoliarBlend** at tuber initiation (approx. 4–6 weeks after emergence.)
- Apply 16–32 oz. per acre of **FoliarBlend** at pre-bloom stage.
- Apply 16–32 oz. per acre of **FoliarBlend** during bloom.

SWEET POTATO

- Treat slips prior to transplanting with a 2% solution of **IgniteS²** (or **FoliarBlend**).
- Apply 16–32 oz. per acre of **IgniteS²** (or **FoliarBlend**) to beds prior to or during transplanting.
- Apply 16–32 oz. per acre of **FoliarBlend** after 3rd new leaf.
- Apply 16–32 oz. per acre of **FoliarBlend** at pre-bloom stage.
- Apply 16–32 oz. per acre of **FoliarBlend** during bloom.

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Fruit and Nuts Usage

The applications listed may be applied in conjunction with corresponding conventional liquid fertilizer, herbicide, fungicide or insecticide applications.

Directions for Use DIRECTIONS FOR USE: **FoliarBlend** and **IgniteS²** may be applied by ground, air, or through properly equipped irrigation and fertigation systems. If applied by air it is recommended to use 5–10 gallons of water per acre. If applied by ground it is recommended to use 10–20 gallons of water per acre. **Compatibility**

COMPATIBILITY: **FoliarBlend** and **IgniteS²** are stable products with excellent tank mixing characteristics. They can be applied in conjunction with most herbicides, insecticides, fungicides and foliar fertilizers. A jar test is recommended prior to tank mixing. Test results have shown that **FoliarBlend** and **IgniteS²** can stimulate higher yields through increased nutrient uptake, **larger root mass, earlier fruiting and increased fruit retention**. Neither products are a replacement for conventional fertilizer. Soil sample regularly and use **FoliarBlend** and **IgniteS²** in conjunction with good fertility practices.

STRAWBERRIES

- Apply 24–32 oz. per acre of **FoliarBlend** as soon as there is sufficient foliage to absorb spray.
- Apply 24–32 oz. per acre of **FoliarBlend** at first bloom stage.
- Apply 24–32 oz. per acre of **FoliarBlend** at fruit set.

NOTE: Sprays can continue every 14 days through harvest.

BERRY BUSHES

Apply 16–32 oz. per acre of **FoliarBlend** at leaf initiation.

- Apply 16–32 oz. per acre of **FoliarBlend** at early bloom stage.
- Apply 16–32 oz. per acre of **FoliarBlend** at late petal fall.
- Apply 16–32 oz. per acre of **FoliarBlend** at fruit set.

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ALMONDS, PECANS & WALNUTS

- Apply 16–32 oz. per acre of **FoliarBlend** at early bloom.
- Apply 16–32 oz. per acre of **FoliarBlend** every 4–6 weeks until after nut fill.

CITRUS & AVOCADOS

- Apply 16–32 oz. per acre of **FoliarBlend** pre-bloom.
- Apply 16–32 oz. per acre of **FoliarBlend** at full bloom – 2/3 petal fall.
- Apply 16–32 oz. per acre of **FoliarBlend** when fruit is approximately 1/2 inch in diameter.

PEACHES, NECTARINES, APRICOTS & CHERRIES

- Apply 16–32 oz. per acre of **FoliarBlend** at pre- to early bloom stage.
- Apply 16–32 oz. per acre of **FoliarBlend** at petal fall.
- Apply 16–32 oz. per acre of **FoliarBlend** at young fruit stage.

PLUMS & PRUNES

- Apply 16–32 oz. per acre of **FoliarBlend** at white bud stage.
- Apply 16–32 oz. per acre of **FoliarBlend** at early bloom.
- Apply 16–32 oz. per acre of **FoliarBlend** at petal fall.
- Apply 16–32 oz. per acre of **FoliarBlend** at fruit set.

APPLES & PEARS

- Apply 16–32 oz. per acre of **FoliarBlend** at green growth (tight cluster) stage.
- Apply 16–32 oz. per acre of **FoliarBlend** at pre-bloom stage.
- Apply 16–32 oz. per acre of **FoliarBlend** at half bloom stage.
- Apply 16–32 oz. per acre of **FoliarBlend** at 3/4 petal fall.
- Apply 16–32 oz. per acre of **FoliarBlend** at young fruit stage.

DATES, FIGS, OLIVES, PERSIMMONS & POMEGRANATES

- Apply 16–32 oz. per acre of **FoliarBlend** during pink bud stage.

- Apply 16–32 oz. per acre of **FoliarBlend** every 2–3 weeks up to harvest.

WINE, TABLE GRAPES & KIWIFRUIT

- Apply 16–32 oz. per acre of **FoliarBlend** at the start of spring growth.
- Apply 16–32 oz. per acre of **FoliarBlend** at pre-bloom stage.
- Apply 16–32 oz. per acre of **FoliarBlend** at fruit set.

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HOW TO USE IGNITES2 FOR RESIDUE MANAGEMENT

You will be ahead of the game next year by applying IgniteS2 to crop stubble this fall. IgniteS2 will stimulate an explosion of microbial life in the soil, which in turn, significantly speeds up the decomposition of the crop residue. This increases the amount of available nutrients for next year's crop and also adds valuable organic matter to the soil.

Apply IgniteS2 to Help Convert Any Type of Residue to Humus:

- As soon as possible after harvest, apply 1-2 pints of IgniteS2 per acre to speed up stalk digestion. (Any required Agri-Cal™ liquid calcium can also be applied at this time.) Microbes can quickly colonize the more easily digestible inner stalk material. As the fungi, bacteria and actinomycetes multiply, they gradually attack the tough inner cellulose and lignin of the stalk rind. Soil organisms first consume sugars and amino acids in the stalk. Fueled with that energy, they devour starches, proteins, and cellulose. The tough, complex lignin is the last component they attack.
- Mix residue into the aerobic zone of your soil. If you have a no-till environment, make sure residue is shredded and spread evenly on the soil with 1-2 pints of IgniteS2 sprayed over the top. Under no-till circumstances, fungi typically do more of the digestive work. They look for food above the surface and can thrive on nutrients with a fairly low ratio of nitrogen to carbon. One visible clue to active biological breakdown is the webs of actinomycetes colonizing the residue. These organisms wrap around stalks and nothing washes them off. That rich, earthy odor is another clue that actinomycetes are active.

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How To Use Agri-Cal

Agri-Cal® liquid calcium can be applied with standard sprayer equipment. No special nozzles or handling equipment is required. It can be adapted to a variety of farming systems and herbicide applications eliminating those extra trips across the field.

One of the most beneficial ways of applying the product also saves on nitrogen costs. When Agri-Cal® is added to liquid nitrogen a stabilizing effect occurs. Many growers have been able to reduce their nitrogen rates substantially while still seeing a boost in yields.

Agri-Cal® can be applied through conventional ground equipment, aerial application, or through properly equipped irrigation systems.

Agri-Cal® can be tank mixed with most soil applied herbicides and liquid fertilizer solutions that do not contain phosphorus. No extra trips across the field are generally needed.

Agri-Cal® is formulated for use on ALL crops.

IMPORTANT: To avoid the formation of insoluble precipitates, do NOT mix with materials containing Phosphates or Sulfates. Do NOT mix with any Round-Up® type herbicides (Glyphosate based).

General Recommendations

- Soil: 2-5 gallons per acre
- Foliar: 1-3 gallons per acre
- Liquid Nitrogen Solutions: Agri-Cal® should be used at 2-5 gallons per acre with all Liquid N applications.

For every 5% the calcium base saturation percentage is low according to soil report, add 1 gallon / acre of Agri-Cal.

Back Cover

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Format changed	0
Total changes	44

Posts from New's Blog

<http://www.agrigro.com/news/>

AgriGro.com

New Online Product Research Archive

Wednesday, February 13th, 2013

If you have interest in, or regularly use the Agri-Gro Marketing's line of products, you will be pleased to learn we have recently added a test results archive. In this archive we will post our latest grower and/or university testing on products such as **FoliarBlend**, **IgniteS2**, and **Agri-Cal**.

You may find a link to this area under our "Resources" section, or simply click [here](#).

From the Editor

Wednesday, December 26th, 2012

Welcome to the first issue of Agri-Gro Inside Access! Through the introduction of Agri-Gro Inside Access, we at Agri-Gro Marketing would like to wish you and your family a warm and happy holiday season.

Agri-Gro Inside Access is a quarterly newsletter intended to provide timely information, personal testimonials, and research data on Agri-Gro products to our dedicated dealers and customers of Agri-Gro Marketing. We believe your success depends on support from within and it is our intention to provide that support by sharing experiences and learning from one another. Our hope is that Agri-Gro Access will bring dealers and customers together to build the Agri-Gro family and provide valuable resources that ultimately increase the bottom line for both you and your customers.

One of the main goals of the newsletter is to provide an outlet for dealers and customers to review field trial data and information to improve your yield goals. Articles from research professionals are welcomed at Agri-Gro as a means of providing new insight and ideas for the use of Agri-Gro products. Information on a diverse number of subjects such as field crop production, livestock health, greenhouse crops, and facility sanitation management are just a few of the subjects that are of interest and certainly welcomed for discussion.

Serving as the editor of Agri-Gro Inside Access, I am happy to be a part of the Agri-Gro team. I have invested 22 years in agricultural education and research. I have taught courses in crop science and horticulture at all levels of education and trust my experiences in the classroom, greenhouse, and field will provide both the experience and information needed to improve yields, and more importantly, the bottom line for our customers. My goal is to make this newsletter both informative and interesting. Feel free to share your personal success stories as we value your input!

In addition, I would also be more than willing to review crop data and assist with field trial development to further assist our customers. For more on this, be sure to read the article "Monitoring Crop Performance when using Agri-Gro Products".

I look forward to hearing from you!

Sincerely,

Carrie L. Monlux, PhD.
carrie@agrigro.com

Three Applications of FoliarBlend Make the Difference in Milo & Wheat in Texas

Some exciting news on dryland milo production comes from Jay McKee, farm manager, Strickland Farms in Nevada, Texas. Jay is eager for next year's crop in both milo and winter wheat after a successful run with FoliarBlend in 2012.

In one trial, Jay reported that where three pints were used (16 oz. in furrow w/starter, 16 oz. at 3 leaf stage w/sidedress, and 16 oz. at initial heading with pesticide) the yield increase was 2,250 lbs better than the control for a final harvest of 7,250 lbs/acre, a 45% yield increase over the control plot, which yielded 5,000 lbs/acre. Strickland Farms produce 3,000 acres of milo each year, averaging 5,000 lbs/acre in a good year. This year Jay incorporated FoliarBlend into his fertility program on 600 acres (all planted at the same time using Golden Acres 3552 seed, and 10-34-0 starter fertilizer).

Clearly the 45% yield increase speaks for itself. Jay describes the results as "fantastic" and says they plan to apply FoliarBlend to every acre on the farm next season. With results like these, Jay is doing what's best for his crop, his ground, and ultimately his bottom line. Jay also reports that crop quality was vastly improved and the milo matured faster, which is to be expected when normal plant development is not hindered by nutrient deficiencies. While all crops in the area seemed to mature quicker this year, harvesting two weeks early did not reduce or compromise quality. Finally, Jay reports that the acres treated with FoliarBlend showed a consistent test weight of 63-64 lbs, compared to a 58-59 lbs test weight on the control.

Jay conducted an additional study using FoliarBlend on winter wheat last season as well, and wanted to see if he could improve on the 60 bushel average that is typically harvested in the area. Part of his trial was using FoliarBlend on wheat following milo and corn, hoping to utilize some of the leftover nitrogen from the previous crop. The results were as follows:

Treatment	Yield (bu./acre)	Bushel Increase	% Yield Increase
Check Plot (followed corn)	72	-	-
Check Plot (followed milo)	78	-	-
1 pt./acre applied once (followed milo)	84	6	8.0%

1 qt./acre applied once (followed milo) 103

25

32.0%

One final rain shower for the crop was needed toward the end of the season to give it that extra boost, but it never came. However, the quart/acre application was very impressive, a 32% increase over the control check plot!

Jay was very happy with the results of this trial and is modifying this year's fertility program by incorporating 1 pt./acre IgniteS2 at planting, followed by 1 pt./acre of FoliarBlend in late January with his traditional fertilizer program. A third pt./acre will be applied at the beginning of March. Jay is considering reducing his nitrogen rates on part of his acres to determine if there can be a reduction in inputs without compromising yield. We'll keep you posted on Jay's trial!

Pushing Broccoli to the Limit

Wednesday, December 26th, 2012

Can you imagine getting a 75% yield increase in your broccoli crop next season? California broccoli experienced just that in 2012! Jim Poulton, Agri-Gro Dealer, in Salinas, California has a fantastic broccoli report from Church Brothers growers in San Juan Bautista. In the photo below the top half shows broccoli from the FoliarBlend test plot and the bottom half are broccoli from the check plot.

The test plot (top half) was treated with FoliarBlend in three applications: 32 oz. at planting, a side dress application of 16 oz. at 30 days, and a final application of 16 oz. through sprinkler irrigation at 60 days.

The check plot (bottom half) shows the reduced size and number of heads when compared to the FoliarBlend test plot. The differences in quality and uniformity are huge, as are color and size! In addition, the check plot had a yield of 24 lbs compared to the FoliarBlend plot which produced 42 lbs. Clearly the FoliarBlend plot was able to provide these broccoli plants with the resources to take up additional nutrients and water.

Peanut Study: Nitrogen Fixing Bacteria Numbers Rise

Wednesday, December 26th, 2012

Peanuts are a very important crop in Argentina, with millions of tons exported worldwide annually.

In early studies using multiple applications of FoliarBlend on peanuts, soil analyses showed the number of nitrogen fixing bacteria in the FoliarBlend treated soil were found to have increased 31%, the ammonification microbe numbers increased 200%, and the cellulose decomposer population increased 1790%! Yes, a 1790% increase in cellulose decomposers in the soil treated with FoliarBlend! This level of biological activity greatly affects the increase of nutrient uptake from residual organic matter in the soil, and as you can imagine, the Argentine growers were excited beyond belief! They are currently planning next season's use of FoliarBlend and Ignites2 on several other crops, in addition to peanuts, and these include soybean, sunflower, and milo. We look forward to seeing how Agri-Gro products work with all crops in Argentina.

Cotton Yields Increase with FoliarBlend Applications

Wednesday, December 26th, 2012

Dr. Bill Weir (University of California – Davis Cooperative Extension, Farm Advisor, Emeritus) recently completed his 2nd year testing with FoliarBlend on cotton. His 2nd study, much like the 1st in 2011, showed great yield gains over the control plot. Dr. Weir tested three 1 pint applications of FoliarBlend per acre versus a control plot. The FoliarBlend applications were made with an initial glyphosate application, again at first square and finally at first flower.

The results were fantastic, with the FoliarBlend test plot yielding 2,165 lbs of lint/acre over the control plot with only 1,887 lbs lint/acre. In other words, the FoliarBlend treatment made 4.33 bales/acre while the control yielded 3.78 bales/acre, amounting to a 15% yield increase! With today's increased inputs and production costs, a half bale per acre is definitely worth noting and provides a fantastic return on investment to the producer.

Monitoring Crop Performance When Using Agri-Gro Products

Wednesday, December 26th, 2012

Information from both distributors and growers are important for research. Please keep track of your experience with FoliarBlend, IgniteS2 and the other fine products of Agri-Gro Marketing and share your success with us. Yield data from year to year is very beneficial as it can be used to conduct a simple trial. In addition, these results can provide hope and encouragement to others and show just how profitable Agri-Gro's line of products can be.

Starting a trial when you know previous years' yield data can be easy. Simply choose which of Agri-Gro's products are the best fit for your crops. Product options and information can be obtained online at www.agrigro.com/products or through a distributor in your area. Step by step instructions to setting up your trial are listed below.

- Choose your test plot. Be sure to have two equal size lots that can easily be kept separate. (e.g., two fields, two checks of rice, etc.) At least a 30' buffer zone between the two plots is essential, as microbial activity can "move".
- Keep one plot for the control treatment. The control plot will receive your normal production practices including irrigation, fertilizer, cultivation and plant protection practices (i.e., pesticide applications).
- For the other plot, use the same production practices as the control plot, but add the Agri-Gro products of choice. Again, please consult a dealer or the Agri-Gro website for additional information.
- Be mindful of climate conditions and precipitation. Are the conditions typical for the area and time of year? Is anything new or different from what is typically experienced growing in the area?

- Color photos of each plot should be taken on the same day and time for comparisons. Photos are helpful reminders of specific events such as when plants are leafing or heading out, etc.
- Document any differences. Is there a difference in pest pressure or nutrient deficiencies? Any stunting or yellowing of leaves or plants in general? All notes and dates will produce a more accurate comparison of the results.

When planning for harvest I can provide a statistical analysis of crop data if the proper information is provided. Prior to harvest, select at least eight random sites from each treatment plot. Measure and record the yield in each of the eight sites for both plots. By providing 8 samples per plot, a stronger statistical analysis can be generated and statistical differences can be noted. By sending me the sample weights for both plots, the control and Agri-Gro treatment plot, I will have the necessary information to run an analysis and determine the difference in your yield due to the use of Agri-Gro products. Data should be sent to Carrie Monlux via email at carrie@agrigro.com.

IgniteS2 for Better Crop Residue Management

Wednesday, November 14th, 2012

Why Fuss Over Residue?

Crop residue contains tremendous fertilizer value for the following crop when it is managed properly. However, if crop residue is ignored and not treated properly, it can actually do harm to the following crop and reduce yields by tying up nutrients and limiting the growth of young seedlings and their yield potential.

You will be ahead of the game next year by applying IgniteS2 soil and starter supplement to crop stubble this fall. IgniteS2 will stimulate an explosion of microbial life in the soil, which in turn, significantly speeds up the decomposition of the crop residue.

This increases the amount of available nutrients for next year's crop and also adds valuable organic matter to the soil. In addition, the tilth of the soil will be improved, which can contribute to better water percolation and drainage. This will also help the soil warm up faster next spring! An additional benefit is that IgniteS2 has shown the ability to clean up chemical residues and diminish the adverse effects that herbicide carryover can have on the following crop.

IgniteS2 Soil and Starter Supplement

Tuesday, June 26th, 2012

Agri-Gro Marketing, Inc. has recently launched their newest product: IgniteS2 Soil and Starter Supplement. IgniteS2 may be used as a broadcast soil application or as an in row/starter application.

IgniteS2 is a first line defense to protect your investments and take yields to the next level.

In corn crops, IgniteS2 has increased yields up to 11.3 bushels/acre – when applied at 16oz/acre in furrow at planting. (Irrigation Research Foundation, Yuma, CO. 2011.)

IgniteS2 also increases nitrogen nodulation on soybeans, when applied at 16oz/acre in furrow, at planting. (Research by University of Arkansas. 2011.)

To read more about IgniteS2, view our brochure.

Agri-Gro.com Re-design Launched

Friday, March 16th, 2012

Welcome to the newly re-designed AgriGro.com! After several months of development and refinement, we are now able to give you a site that is easier to use, more informative, and with exciting new features.

Our goal with the re-design of AgriGro.com was to provide better and expanded information in a user-friendly environment.

Some of our new features include:

- Our latest brochures in a “flip-book” format on the FoliarBlend and Agri-Cal product pages.
- A News blog
- Customer Resources (FAQ, Dealer Locator)
- Facebook and YouTube
- A Dealer Area

If you have any questions or comments about the site, please let us know.

Posts from New's Blog

<http://www.agrigro.com/news/>

AgriGro.com

New Online Product Research Archive

Wednesday, February 13th, 2013

If you have interest in, or regularly use the Agri-Gro Marketing's line of products, you will be pleased to learn we have recently added a test results archive. In this archive we will post our latest grower and/or university testing on products such as FoliarBlend, IgniteS2, [and Agri-Cal](#), ~~Agri-Gro and others.~~

You may find a link to this area under our "Resources" section, or simply ~~click here~~ [click here](#).

From the Editor

Wednesday, December 26th, 2012

Welcome to the first issue of Agri-Gro Inside Access! Through the introduction of Agri-Gro Inside Access, we at Agri-Gro Marketing would like to wish you and your family a warm and happy holiday season.

Agri-Gro Inside Access is a quarterly newsletter intended to provide timely information, personal testimonials, and research data on Agri-Gro products to our dedicated dealers and customers of Agri-Gro Marketing. We believe your success depends on support from within and it is our intention to provide that support by sharing experiences and learning from one another. Our hope is that Agri-Gro Access will bring dealers and customers together to build the Agri-Gro family and provide valuable resources that ultimately increase the bottom line for both you and your customers.

One of the main goals of the newsletter is to provide an outlet for dealers and customers to review field trial data and information to improve your yield goals. Articles from research professionals are welcomed at Agri-Gro as a means of providing new insight and ideas for the use of Agri-Gro products. Information on a diverse number of subjects such as field crop production, livestock health, greenhouse crops, and facility sanitation management are just a few of the subjects that are of interest and certainly welcomed for discussion.

Serving as the editor of Agri-Gro Inside Access, I am happy to be a part of the Agri-Gro team. I have invested 22 years in agricultural education and research. I have taught courses in crop science and horticulture at all levels of education and trust my experiences in the classroom, greenhouse, and field will provide both the experience and information needed to improve yields, and more importantly, the bottom line for our customers. My goal is to make this newsletter both informative and interesting. Feel free to share your personal success stories as we value your input!

In addition, I would also be more than willing to review crop data and assist with field trial development to further assist our customers. For more on this, be sure to read the article "Monitoring Crop Performance when using Agri-Gro Products".

I look forward to hearing from you!

Sincerely,

Carrie L. Monlux, PhD.

~~carrie@agrigro.com~~ carrie@agrigro.com

Three Applications of FoliarBlend Make the Difference in Milo & Wheat in Texas

Some exciting news on dryland milo production comes from Jay McKee, farm manager, Strickland Farms in Nevada, Texas. Jay is eager for next year's crop in both milo and winter wheat after a successful run with FoliarBlend in 2012.

In one trial, Jay reported that where three pints were used (16 oz. in furrow w/starter, 16 oz. at 3 leaf stage w/sidedress, and 16 oz. at initial heading with pesticide) the yield increase was 2,250 lbs better than the control for a final harvest of 7,250 lbs/acre, a 45% yield increase over the control plot, which yielded 5,000 lbs/acre. Strickland Farms produce 3,000 acres of milo each year, averaging 5,000 lbs/acre in a good year. This year Jay incorporated FoliarBlend into his fertility program on 600 acres (all planted at the same time using Golden Acres 3552 seed, and 10-34-0 starter fertilizer).

Clearly the 45% yield increase speaks for itself. Jay describes the results as "fantastic" and says they plan to apply FoliarBlend to every acre on the farm next season. With results like these, Jay is doing what's best for his crop, his ground, and ultimately his bottom line. Jay also reports that crop quality was vastly improved, ~~seed germination was faster and much more uniform,~~ and the milo matured faster ~~as well,~~ which is to be expected when normal plant development is not hindered by nutrient deficiencies. While all crops in the area seemed to mature quicker this year, harvesting two weeks early did not reduce or compromise quality. Finally, Jay reports that the acres treated with FoliarBlend showed a consistent test weight of 63-64 lbs, compared to a 58-59 lbs test weight on the control.

Jay conducted an additional study using FoliarBlend on winter wheat last season as well, and wanted to see if he could improve on the 60 bushel average that is typically harvested in the area. Part of his trial was using FoliarBlend on wheat following milo and corn, hoping to utilize some of the leftover nitrogen from the previous crop. The results were as follows:

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1 qt./acre applied once (followed milo) 103

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One final rain shower for the crop was needed toward the end of the season to give it that extra boost, but it never came. However, the quart/acre application was very impressive, a 32% increase over the control check plot!

Jay was very happy with the results of this trial and is modifying this year's fertility program by incorporating 1 pt./acre IgniteS2 at planting, followed by 1 pt./acre of FoliarBlend in late January with his traditional fertilizer program. A third pt./acre will be applied at the beginning of March. Jay is considering reducing his nitrogen rates on part of his acres to determine if there can be a reduction in inputs without compromising yield. We'll keep you posted on Jay's trial!

Pushing Broccoli to the Limit

Wednesday, December 26th, 2012

Can you imagine getting a 75% yield increase in your broccoli crop next season? California broccoli experienced just that in 2012! Jim Poulton, Agri-Gro Dealer, in Salinas, California has a fantastic broccoli report from Church Brothers growers in San Juan Bautista. In the photo below the top half shows broccoli from the FoliarBlend test plot and the bottom half are broccoli from the check plot.

The test plot (top half) was treated with FoliarBlend in three applications: 32 oz. at planting, a side dress application of 16 oz. at 30 days, and a final application of 16 oz. through sprinkler irrigation at 60 days.

The check plot (bottom half) shows the reduced size and number of heads when compared to the FoliarBlend test plot. The differences in quality and uniformity are huge, as are color and size! In addition, the check plot had a yield of 24 lbs compared to the FoliarBlend plot which produced 42 lbs. Clearly the FoliarBlend plot was able to provide these broccoli plants with the resources to take up additional nutrients and water.

Peanut ~~Disease Levels Decrease While~~Study: Nitrogen Fixing Bacteria Numbers Rise

Wednesday, December 26th, 2012

~~Peanuts are a very important crop in Argentina, with millions of tons exported worldwide annually. A widespread fungal disease, called carbon, threatens Argentina peanut production. The fungus is a smut that infects the peg and pod, causing a wide range of damage from cosmetic blemishes to the shell to completely destroying the peanut kernels inside (it gets its name carbon from the black powder that results after infection). Currently there is no known treatment to control the carbon disease.~~

~~Bio-Tec Solutions International, distributors of Agri-Gro Marketing, decided to try to help the Argentine growers combat the carbon disease with FoliarBlend applications. Since FoliarBlend treated fields have shown reduced pathogen levels in US crops, Argentine growers were hoping for a miracle. In early studies using multiple applications of FoliarBlend on peanuts in field conditions where the carbon fungus resides, harvest data showed greatly reduced carbon infected pods and kernels. Approximately 81% of the carbon was decreased and treated plots yielded an increase over 310 lbs/acre when compared to~~

~~the control plot! This was very exciting news to the Argentine growers who were initially quite skeptical. Also, when soil analyses were conducted,~~ soil analyses showed the number of nitrogen fixing bacteria in the FoliarBlend treated soil were found to have increased 31%, the ammonification microbe numbers increased 200%, and the cellulose decomposer population increased 1790%! Yes, a 1790% increase in cellulose decomposers in the soil treated with FoliarBlend! This level of biological activity greatly affects the increase of nutrient uptake from residual organic matter in the soil, and as you can imagine, the Argentine growers were excited beyond belief! They are currently planning next season's use of FoliarBlend and Ignites2 on several other crops, in addition to peanuts, and these include soybean, sunflower, and milo. ~~We're certainly happy for them as they combat an industry-killing disease and increase yields as well.~~ We look forward to seeing how Agri-Gro products work with all crops in Argentina.

Cotton Yields Increase with FoliarBlend Applications

Wednesday, December 26th, 2012

Dr. Bill Weir (University of California – Davis Cooperative Extension, Farm Advisor, Emeritus) recently completed his 2nd year testing with FoliarBlend on cotton. His 2nd study, much like the 1st in 2011, showed great yield gains over the control plot. Dr. Weir tested three 1 pint applications of FoliarBlend per acre versus a control plot. The FoliarBlend applications were made with an initial glyphosate application, again at first square and finally at first flower.

The results were fantastic, with the FoliarBlend test plot yielding 2,165 lbs of lint/acre over the control plot with only 1,887 lbs lint/acre. In other words, the FoliarBlend treatment made 4.33 bales/acre while the control yielded 3.78 bales/acre, amounting to a 15% yield increase! With today's increased inputs and production costs, a half bale per acre is definitely worth noting and provides a fantastic return on investment to the producer.

Monitoring Crop Performance When Using Agri-Gro Products

Wednesday, December 26th, 2012

Information from both distributors and growers are important for research. Please keep track of your experience with FoliarBlend, IgniteS2 and the other fine products of Agri-Gro Marketing and share your success with us. Yield data from year to year is very beneficial as it can be used to conduct a simple trial. In addition, these results can provide hope and encouragement to others and show just how profitable Agri-Gro's line of products can be.

Starting a trial when you know previous years' yield data can be easy. Simply choose which of Agri-Gro's products are the best fit for your crops. Product options and information can be obtained online at www.agrigro.com/products or through a distributor in your area. Step by step instructions to setting up your trial are listed below.

- Choose your test plot. Be sure to have two equal size lots that can easily be kept separate. (e.g., two fields, two checks of rice, etc.) At least a 30' buffer zone between the two plots is essential, as microbial activity can "move".
- Keep one plot for the control treatment. The control plot will receive your normal production practices including irrigation, fertilizer, cultivation and plant protection practices (i.e., pesticide applications).
- For the other plot, use the same production practices as the control plot, but add the Agri-Gro products of choice. Again, please consult a dealer or the Agri-Gro website for additional information.
- Be mindful of climate conditions and precipitation. Are the conditions typical for the area and time of year? Is anything new or different from what is typically experienced growing in the area?
- Color photos of each plot should be taken on the same day and time for comparisons. Photos are helpful reminders of specific events such as when plants are leafing or heading out, etc.
- Document any differences. Is there a difference in pest pressure or nutrient deficiencies? ~~Is there a reduction in pathogens, insects or weeds?~~ Any stunting or yellowing of leaves or plants in general? All notes and dates will produce a more accurate comparison of the results.

When planning for harvest I can provide a statistical analysis of crop data if the proper information is provided. Prior to harvest, select at least eight random sites from each treatment plot. Measure and record the yield in each of the eight sites for both plots. By providing 8 samples per plot, a stronger statistical analysis can be generated and statistical differences can be noted. By sending me the sample weights for both plots, the control and Agri-Gro treatment plot, I will have the necessary information to run an analysis and determine the difference in your yield due to the use of Agri-Gro products. Data should be sent to Carrie Monlux via email at ~~carrie@agrigro.com~~carrie@agrigro.com.

IgniteS2 for Better Crop Residue Management

Wednesday, November 14th, 2012

Why Fuss Over Residue?

Crop residue contains tremendous fertilizer value for the following crop when it is managed properly. However, if crop residue is ignored and not treated properly, it can actually do harm to the following crop and reduce yields by ~~contributing to disease pressure and~~[tying up](#) nutrients ~~becoming tied up, and~~ limiting the growth of young seedlings and their yield potential.

You will be ahead of the game next year by applying IgniteS2 soil and starter supplement to crop stubble this fall. IgniteS2 will stimulate an explosion of microbial life in the soil, which in turn, significantly speeds up the decomposition of the crop residue.

This increases the amount of available nutrients for next year's crop and also adds valuable organic matter to the soil. In addition, the tilth of the soil will be improved, which can contribute to better water

percolation and drainage. This will also help the soil warm up faster next spring! An additional benefit is that IgniteS2 has shown the ability to clean up chemical residues and diminish the adverse effects that herbicide carryover can have on the following crop.

[Want to learn more? Download our IgniteS2 Residue Management Flyer](#)

IgniteS2 Soil and Starter Supplement

Tuesday, June 26th, 2012

Agri-Gro Marketing, Inc. has recently launched their newest product: IgniteS2 Soil and Starter Supplement. IgniteS2 may be used as a broadcast soil application or as an in row/starter application.

IgniteS2 is a first line defense to protect your investments and take yields to the next level.

In corn crops, IgniteS2 has increased yields up to 11.3 bushels/acre – when applied at 16oz/acre in furrow at planting. (Irrigation Research Foundation, Yuma, CO. 2011.)

IgniteS2 also increases ~~root growth and~~ nitrogen nodulation on soybeans, when applied at 16oz/acre in furrow, at planting. (Research by University of Arkansas. 2011.)

To read more about IgniteS2, view our brochure.

Carrie L. Monlux PhD Endorses FoliarBlend

Thursday, April 19th, 2012

~~In this 4 minute video Carrie L. Monlux, PhD., at California State University, talks about her journey to endorsing one of Agri-Gro Marketing's proprietary bio-stimulants, FoliarBlend, for supplying the "missing link" (life of the soil) in today's agriculture.~~

~~Video link: <http://youtu.be/CinFt0gVdhg>~~

Agri-Gro.com Re-design Launched

Friday, March 16th, 2012

Welcome to the newly re-designed AgriGro.com! After several months of development and refinement, we are now able to give you a site that is easier to use, more informative, and with exciting new features.

Our goal with the re-design of AgriGro.com was to provide better and expanded information in a user-friendly environment.

Some of our new features include:

- Our latest brochures in a “flip-book” format on the FoliarBlend and Agri-Cal product pages.
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If you have any questions or comments about the site, please let us know.

Document comparison by Workshare Compare on Friday, June 28, 2013 1:09:19 PM

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Total changes	38

Trial Summary: Wheat and Milo

Trial Results:



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Photo not from Strickland Farms

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Document comparison by Workshare Compare on Friday, June 28, 2013 2:17:17 PM

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Format changed		0
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BOUNTIFUL HARVEST SUPERCAL > FAQ's

Q. Is Super-Cal the same as lime?

Answer: Super-Cal does contain calcium like limestone, but that is where the similarity ends. Super-Cal contains calcium that is immediately available to your plants, it also contains an organic chelating agent that breaks down insoluble calcium from normal limestone deposits in your soil which creates additional plant available calcium.

Q. Why not just spread limestone?

Answer: It takes from 1-2 years for normal limestone to benefit a soil deficient in calcium. Super-Cal works immediately.

Q. Will Super-Cal affect the pH of my soil?

Answer: Yes, as the organic agents bring more calcium into the soil solution the pH will be affected.

Q. How much should I apply?

Answer: Application rates will vary from 5-20 ounces per 1000-sq. ft. depending upon label recommendations and soil type.

Q. How often should Super-Cal be applied?

Answer: Label rates are suggested for annual or monthly applications.

Q. What are signs that I could benefit from using Super-Cal?

Answer: Areas where plants grown from seed come up and do not grow off well or even die. Healthy transplants not surviving under ideal conditions. Leaves that are deformed. Fruits and Vegetables getting blossom end rot before maturity. Brownheart appearing in leafy and heading vegetables. Weak plants never getting a good green color. Bitter tasting fruits and vegetables. Hard cloddy soil that becomes very sticky when wet.

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Document comparison by Workshare Compare on Monday, July 01, 2013 8:41:45 AM

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